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TWO STAGE POTASSIUM TEST TURBINE

QUARTERLY PROGRESS REPORT NO. 18

Period: August 8, 1965 Through Nov. 8, 1965

EDITED BY E. SCHNETZER

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SPACE POWER AND PROPULSION SECTION
MISSILE AND SPACE DIVISION
GENERAL ELECTRIC
CINCINNATI, OHIO 45215

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Covering the Period
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Edited By
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Contract NAS 5-1143

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I. SUMMARY

The Re-Entry Systems Department of the General Electric Company has been under contract to the National Aeronautics and Space Administration since May 8, 1961, for the design and fabrication of a two-stage test turbine suitable for operation in saturated potassium vapor at 1600°F. The test turbine consists of stages three and four of a five-stage 500 KW turbine and is to have a design flow capacity of 2.8 pounds per second. The present phase of the contract covers assembly, test, and evaluation of the turbine and associated components.

The main objectives of this program are to study impact erosion and chemical corrosion damage on different blade materials, to study the phenomena of supersaturation and droplet formation, to establish the values of the polytropic exponent of potassium vapor as an improvement over General Electric's calculated Mollier diagrams, and finally, to establish accurate fluid flow design methods for potassium turbines operating in the wet vapor region. The test turbine runs on oil lubricated bearings. The performance test program has been completed and a 2,000 hour endurance test is being performed.

The present report covers progress during the quarter ending November 8, 1965.

The reassembly of the turbine following performance testing was completed early in the reporting period and endurance testing was initiated at 1500°F after completion of tare testing of the test turbine. An inadvertent shut down of the turbine was caused by the routine calibration of a speed indicator after 254 hours, resulting in damage to the turbine radial support. The turbine blading was inspected with borescopes while the bearing was being overhauled and no deterioration of the blading or facility was found. After another tare test, endurance testing commenced again and at the end of the reporting period 1,000 hours of testing were completed with the turbine running substantially as at the beginning of the test. Tabulated and plot performance data are presented for the first 1,000 hours of endurance testing.

During endurance testing the water and oxygen content of the argon supplied to the turbine, the boiler flue gas, and the oxygen and elemental carbon content of the flowing potassium were monitored with the result that all contamination quantities were found to be low.

Evaluation of the refractory alloy probe specimens after 254 hours of endurance testing confirmed data obtained after the performance test. The columbium alloys were contaminated by carbon but the TZM and TZC molybdenum alloys were relatively free of contamination.

Turbine inspection after the performance test revealed a uniform metal deposit on both rotor blade stages. The deposit on the first stage was about 0.5 mils in thickness. The second stage deposit was found to be about 0.2 mils in thickness.

For the convenience of the reader, an isometric drawing of the turbine is shown on Figure 47.

A. FORECAST

The 2,000-hour endurance test is scheduled for completion during the next reporting period. This test will be followed by a tare test and a complete disassembly of the test turbine and steam turbine start up hardware for inspection. Fluid dynamic, mechanical and metallurgical evaluations of the turbine testing will then be incorporated into topical reports.

II. FLUID DYNAMIC TESTING

During the reporting period the first 1,000 hours of endurance testing were completed. Preparations for endurance testing included the preparation of calibration curves, the establishment of the endurance test conditions and alteration of the instrumentation. Because it is important to determine degradation in power output, if any, with time, tare testing preceded endurance testing, facilitating accurate determination of output torque.

A. ENDURANCE TEST PREPARATIONS

Shown in Figure 2 is the variation in supersaturation ratio, the ratio of turbine exit static pressure to the vapor pressure corresponding to the measured temperature at the same station, with turbine inlet total to exit static pressure ratio. These data were obtained during the May, 1965 performance test and were presented in Quarterly Report No. 17.[1] Since the curves for the 1450 and 1550°F data are nearly identical, it was assumed that the supersaturation ratio is constant for a given turbine total to static pressure ratio. The variation of hub static pressure at turbine exit with exit temperature was calculated for 1500°F inlet temperature, using this assumption, and is shown in Figure 3.

During the 2,000-hour endurance test the efflux pressure measuring system is not used. Therefore, there is no way to determine the turbine flow rate by means of the bullet-nose-annulus instrumentation, which was

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[1] E. Schnetzer: Two-Stage Potassium Test Turbine. Quarterly Report No. 17 on Contract NASA 5-1143, General Electric, August 8, 1965.

successfully used for performance testing. The only flow measurement is by means of the electromagnetic flow meter. Shown in Figure 4 is a comparison of the EM flow meter and bullet-nose annulus data obtained during the turbine performance test. The wide scatter band is attributed to the inability to hold a constant liquid level in the condenser during performance testing. At the expected flow rate of 1.8 lb./sec. the EM flow meter could read from 1.7 to 2.2, according to Figure 4, but it is expected that the condenser level will be held more constant during the endurance test.

Shown in Figure 5 is the variation of water brake torque (obtained from a heat balance on the water brake) versus the torque meter reading. This curve is presented in case the torque meter malfunctions during the test. A similar curve for the steam turbine torque meter is shown in Figure 6.

B. ENDURANCE TEST POINT

It was necessary to determine the probable wheel operating temperatures for prospective endurance test conditions so that it could be established at which conditions the design life of the turbine was not exceeded. Shown in Figure 7 is the variation in wheel temperature with rotative speed assuming the wheels were at the saturation temperature of the vapor corresponding to the measured static pressure immediately upstream of the wheels during performance testing. The temperatures are shown for both stages, a range of values of inlet total to exit total pressure ratio and three turbine inlet temperatures, namely, 1450, 1500 and 1550°F. Based upon the experimental data for 1450 and 1550°F inlet

temperatures, estimates were made of wheel temperatures for an inlet temperature of 1500°F. Shown in Figure 8 is the variation of the allowable turbine inlet temperature for a range of rotative speeds and for both the first and second stage. The curves are based upon wheel dovetail stresses, which are limiting, assuming refractory blades in the second stage (50,200 psi at 19,200 rpm) and U-700 blades in the first stage (36,800 psi at 19,200 rpm). The allowable stress used was 90 per cent of the rupture stress for the temperature shown. The data from Figure 7 were used to indicate operating conditions at vapor inlet temperatures of 1450, 1500 and 1550°F and at several turbine inlet total-to-exit total pressure ratios. Figure 8 was prepared assuming a 2000-hour endurance test. Indications from the figure are that at the selected turbine inlet temperature, 1500°F, rotative speeds up to 19,250 are permissible at a total-to-total pressure ratio of 2.95 and above, and that at those conditions the first stage is limiting. Because of more favorable vibratory characteristics of the turbine and load train established during performance testing at speeds around 18,250 rpm, that speed was selected instead of 19,250 rpm.

Shown in Figure 9 is the variation of second stage inlet vapor quality calculated for an inlet temperature and rotative speed of 1500°F and 18,250 rpm, respectively, as a function of total to total pressure ratio. The assumption was made that the turbine inlet quality was 99 per cent. At the design pressure ratio of 2.95 practically the lowest value of vapor quality is reached. Thus for an endurance test where the maximum possible amount of liquid in the vapor is desired, the design pressure ratio is quite satisfactory.

Shown in Figure 10 is the experimentally determined turbine inlet vapor quality plotted against measured turbine flow rate obtained during the performance test at 1550°F. All of these data were obtained without throttling the vapor upstream of the turbine, a condition which is desireable for the endurance test. The vapor quality is plotted against turbine flow rate (which is also boiler flow rate) because flow rate sets the required boiler average heat flux and thus the violence of boiling in the upper drum. Based upon the experimental flow rates at a total to total pressure ratio and rotative speed of 2.95 and 18,300 rpm, respectively, for temperatures of 1450 and 1550°F (1.44 and 2.22 pps, respectively) the expected flow rate during endurance testing is 1.80 pps. This value was determined from the following relationship

$$\frac{W_{1500}}{\sqrt{P_{v,\,1500}\ \rho_{v,\,1500}}} = \frac{W_t}{\sqrt{P_{v,t}\ \rho_{v,t}}} \qquad (1)$$

where

W_{1500}, W_t	Flow rate at 1500°F and at temperature, t
$P_{v,\,1500}$, $P_{v,t}$	Vapor pressure at 1500°F and at temperature, t
$\rho_{v,\,1500}$, $\rho_{v,t}$	Vapor density at 1500°F and at temperature, t.

Reference to Figure 10 indicates that the inlet quality at a flow of 1.80 pps should be about 0.998.

Since no total pressure will be measured during endurance testing, the selected endurance test condition must be converted to static pressures, especially at the exit. Shown in Figure 11 is the calculated variation of

inlet total to exit static pressure ratio across the turbine with inlet total to exit total pressure ratio for an inlet temperature and rotative speed of 1500°F and 18,250 rpm, respectively. The design total to total pressure ratio, 2.95, corresponds to a total to static pressure ratio of 3.47.

The endurance test condition selected was as follows:

Inlet Temperature, °F	1500
Total to Static Pressure Ratio	3.47
Rotative Speed, rpm	18,250

The vapor pressure corresponding to a temperature of 1500°F is 24.6 psia. The correct exit static pressure should then be 7.1 psia. In Figure 3 the pressure of 7.1 psia corresponds to a temperature of 1242°F.

Shown in Figure 12 is the calculated variation in the ratio of turbine torque to inlet total pressure with rotative speed and total to static pressure ratio. The data of Figure 12 permits the determination of variations in torque to be expected when the inlet pressure, pressure ratio or speed is different from the specified test conditions. For example, the tolerances on inlet temperature, exit pressure and speed of $\pm$ 10°F, $\pm$ 0.5 psi and $\pm$ 200 rpm result in the following respectively variations in torque: $\pm$ 16.8, $\mp$ 18.4 and $\mp$ 5.5 in.lb. Although the measured turbine performance was better than predicted at these higher values of pressure ratio, the slopes in Figure 12 should yield valid correction factors for variations in endurance test conditions.

C. INSTRUMENTATION

The efflux pressure measuring system was not used for the endurance test because it was felt that if argon were admitted into the test facility for an extended time period, such as 2000 hours, the impurities in the argon might promote corrosion. Limp diaphragm pressure transducers are used at station 1, 7 and 8 and in the throttling calorimeter. The bullet-nose annulus instrumentation cannot be used for flow rate measurement, therefore, the EM flow meter will be used. Liquid level in the condenser will be closely monitored in an attempt to improve the accuracy of the EM flow meter.

Shown in Table I is the instrumentation which will be used on the test turbine for endurance testing. The parameters to be read on the continuous recorders are shown in Table II. The instrumentation on the turbine is shown in Figure 13. Shown also in this figure are the borescope apertures which permit visual inspection of the turbine blading when it is shut down.

D. TARE TESTING

Prior to the endurance testing the water brake was driven by the steam turbine with the potassium turbine disconnected to check that the two torquemeters indicated the same torque, and that they came to zero at static conditions. This was done to insure that no torque is transmitted through the flexible hoses to the water brake and steam turbine. Shown in Figure 14 are the results of this test on September 9, 1965 and a similar test on October 7, 1965. The plot indicates that the two torquemeters are reading the same torque, including the zero reading, within 5 in. lb.

After connecting the test turbine to the water brake, a tare test was run to determine the mechanical losses of the bearings and seals. Water brake seal flow, lube oil flow and inlet temperature, and hydrodynamic slinger seal flow were carefully controlled to the values expected during endurance testing. The results of the tare test of September 13, 1965 are shown in Figure 15 as a function of rotative speed and argon density in the turbine. The tare torque is the difference between the readings of the steam turbine and water brake torquemeters when there is no potassium vapor flow and the steam turbine is driving the test turbine in a vacuum. Shown in Figure 16 are the results of a similar test run on October 8, 1965 before resumption of the endurance test.

Shown in Figure 17 are the tare torque values taken from Figures 15 and 16 at zero density, corresponding to zero blade windage loss. These data can be represented by the equation

$$Q_{tt} = 0.0053N$$

where

Q_{tt} = tare torque in inch pounds

N = rotative speed in rpm.

E. ENDURANCE TEST

After completion of the tare test, the endurance test was begun. The conditions set were 1500°F inlet temperature, 18,250 rpm, and 1240°F exit temperature. The tolerances on these parameters were $\pm$ 200 rpm and $\pm$ 10°F. The exit temperature was selected to set a total-to-static pressure ratio of

3.47 across the turbine. A digital scan of the performance instrumentation was made at two hour intervals. These data were examined to determine that the test point was being held and that the data were consistent. It was quickly noticed that the torque signal was decreasing at an alarming rate (7 per cent in 10 hours). A check on the enthalpy change of the water through the water brake indicated no corresponding decrease. It was concluded that the torquemeter was in error. Subsequently, it was discovered that the cooling air to the torquemeter was not on. The cavity in which the strain gages were mounted reached a temperature of 183°F. It was reasoned that the erroneous torque signals were caused by slippage of the torquemeter strain gauges due to the high temperature of the environment. Therefore, the temperature rise of the water through the water brake was used as the torque indicator for the first 254 hours. A calibration curve (Figure 5) constructed from test data obtained during the performance test was used to correct the heat balance torque of the water brake to the level of measurements experienced during performance testing. During the shutdown, after 254 hours of testing, the torquemeter was readjusted and was used as the torque signal in subsequent testing.

A data reduction program was written to permit evaluation of the data obtained during the endurance testing. The output of this program is presented in Table III. The identification key for the tabulated test data is shown on the first pages of Table III. Included are measurements of rotative speed, torque, temperatures, pressures, flow, and calculations of torque from the water brake temperature rise, inlet quality and a corrected torque. The corrected torque for the first 254 hours was based on the water

brake temperature rise, and corrected for variations of inlet pressure, rotative speed and turbine pressure ratio using predicted performance data, shown in Figure 12. Subsequently, the corrected torque was based on the torque measured by the torque meter, and corrected for variations in test conditions.

Shown in Figure 18a through 18e are plots of the more significant parameters for the first 1000 hours of the endurance test. The top strip shows the variation of rotative speed, and is the average of five readings taken during each scan of the digital recorder. In general, the speed was held within $\pm$ 100 rpm, which is only half of the tolerance of $\pm$ 200 rpm specified in the test plan. The next three strips show the variation of temperature at turbine inlet, between the two stages and at turbine exit. The plotted inlet temperature was measured upstream of the turbine and is the average of the readings of two thermocouples. The reading of a third thermocouple was about twenty degrees higher than the other two and was not used in the average, although it is shown in Table III. The thermocouples at station 3, in the bullet nose, indicated about two degrees higher than those at station 1. The value of interstage temperature is the average of two thermocouples which read within a few degrees of each other. The exit temperature is the average of two measurements out of four which are all tabulated. Two thermocouples, one which indicated about fifteen degrees lower than the average and another which indicated about twenty degrees higher than the average, were not used in the calculated average.

The next two strips show the variation of turbine inlet and outlet static pressures measured with limp diaphragm gauges. Although the test

point was set by inlet and outlet temperatures based on correlations of temperature and pressure from the performance test data, the measured pressures are presented to indicate the variations with time. The measured inlet pressure is about 0.5 psi higher than the vapor pressure corresponding to the inlet temperature, and is also about 0.5 psi higher than the correlation of efflux pressure measurement versus temperature obtained during performance testing. The measured exit pressure is about 1 psi lower than the correlation of efflux exit pressure versus exit temperature, shown in Figure 3.

The next strip shows the variation of net blading torque. This parameter is an indication of turbine aerodynamic performance and is calculated by subtracting the steam turbine torque from that absorbed by the water brake and adding the tare torque, which is due to the parasitic losses of the test turbine bearings and seals. For the first 254 hours the water brake torque was calculated from the enthalpy rise of the water and corrected through the use of Figure 5. During the shutdown, the torque meter was readjusted and used for subsequent testing for the water brake torque measurement.

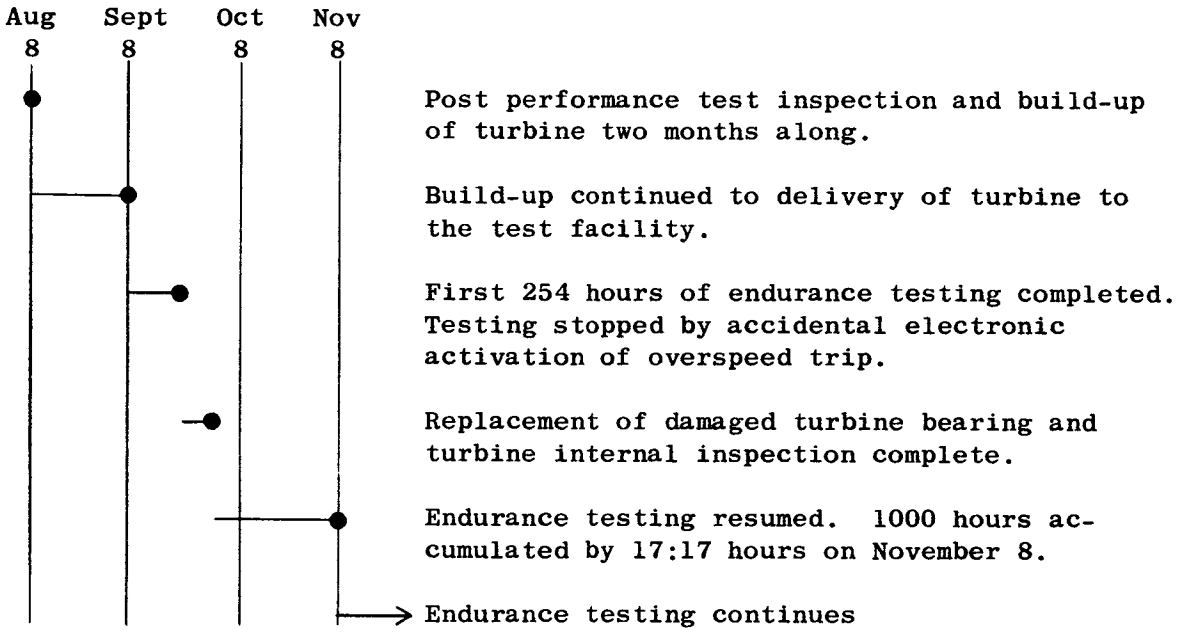
The last strip shows the variation of turbine flow rate as measured with the electromagnetic flow meter. The flow rate is about 10 per cent higher than predicted but this is not inconsistent with previous electromagnetic flow meter measurements as shown in Figure 4.

Initially the turbine inlet condition was set by a thermocouple located at the turbine inlet station. After about 100 hours of endurance

testing it was apparent that the thermocouple had drifted. After switching to a thermocouple upstream of the turbine for two days, it was decided to control the inlet condition to the upstream Taylor gauge reading. This resulted in better control of the test conditions, and is reflected in the reduced scatter of the parameters shown in Figure 18 for the remainder of the test.

III. MECHANICAL DESIGN AND TESTING

During this reporting period, the post performance test inspection and endurance test build-up of the potassium turbine was completed, and endurance testing was begun. By November 8, 1000 hours of endurance testing had been completed. A chronology of the activity is as follows:



Also, during this period a design and procurement effort was continued for replacement hardware. Specific critical procurement items are the nozzle diaphragms, turbine exhaust scroll, and turbine pad bearings. Analytical work included turbine wheel and blade life calculations, bearing life determinations, and a turbine temperature survey using the General Electric THTB Heat Transfer computer program.

A. TURBINE REBUILD

The turbine rebuild, which was two months underway by the beginning of this reporting period, was performed subsequent to the completion of the performance testing. The rebuild was for the purpose of re-establishing critical dimensions on the turbine static components which undergo thermal distortion as a consequence of running at high temperatures. Along with this rework, the instrumentation was changed from a performance testing to an endurance testing configuration as shown in Figure 13. This amounted to the removal of all the turbine pressure instrumentation except for one Taylor gage which measures turbine exit pressure. The build up included eight refractory metal blades which were used for the first time in the turbine. They were installed in the second stage wheel as originally planned. The new components for this build-up were as follows:

1. First Stage Blades
2. First Stage and Second Stage Blade Retainers
3. Pivoted Pad Bearing Pads
4. Ball Thrust Bearings
5. Honeycomb Rotor Tip Seals
6. Refractory metal inserts installed in the fourth stage tip seal aft end. These were installed for the first time on this build up.
7. Four TZC and four TZM second stage rotor blades.

B. ENDURANCE TESTING

The endurance testing was preceded by a short period of tare testing to provide a base for determining turbine output torque throughout the endurance test. This testing also established that all of the turbine power train bearings were operating normally in a temperature range comparable to that of previous tests. These results can be seen on Figures 19, 20, 21, and 22 which show them to be below 200°F, and typical of measurements of previous tests.

Vapor was admitted to the turbine at 13:19 hours on 9-13-65. The first onset of vapor was intermittent, as expected when boiler stability is being attained, and was the cause for minor speed variations of up to 1000 rpm as can be seen on Figure 23. The boiler temperature was increased at the rate of 100°F/hour with the boiler liquid level in the upper drum held at 4-1/2 inches to maintain boiler stability. By 18:14 hours the turbine had reached steady-state operation at the endurance test condition of 18,250 rpm, 1500°F inlet temperature and a pressure ratio of 3.47. This condition was maintained for the 1000 hours of testing reported herein. At steady-state boiling, the boiler vapor drum pressure is very steady with only an occasional pressure perturbation of about 1/2 psi which is very seldom reflected in the turbine speed. The turbine operation was characterized by speed control well within the prescribed tolerance band, of $\pm$ 250 rpm, and by smooth operation of 1-1/2 g's vibration measured in the bearing housing at the shaft mid-span location. Proximity gages at this same location indicate a vertical shaft displacement of 1-1/2 to 2 mils as shown in Figure 23. Figures 24, 25, 26, and 27 show that

the power train bearing temperatures were comparable to previously recorded values. The hydrodynamic slinger seal potassium liquid temperature rise and the labyrinth seal pressure drops were normal as can be seen in Figures 28 and 29.

At 254 hours, an accidental electronic triggering of the overspeed trip caused the test to shutdown which resulted in an oil supply loss and consequent pivoted pad bearing damage. The damaged bearing, as can be seen in Figures 30 and 31, was replaced in six days and testing was resumed.

Optical probe inspection of the turbine was performed while the bearing was repaired. No visible erosion was observed to either stage of buckets and the bucket tips. No mass transfer was found to be deposited on the buckets or stator blades. No visible difference could be detected between the eight refractory alloy and the U-700 buckets. All bucket retaining clips were intact.

At the 1000 hour mark, the turbine was operating smoothly with all instrumentation reading normally. The condition of the turbine was in some respects better than after the first 50 hours of testing because the "g" loadings were down by approximately 1/2 g and the bearing housing wall temperatures were steady as compared to 40° fluctuations observed at the beginning of the test. Also, the turbine noise level from the intercom did not audibly change from the start of the test. The proximity gage readout was slightly increased, however, indicating a 2 mil vertical movement as compared to a 1-1/2 mil vertical movement. The excellent performance of the turbine after 1000 hours indicated that a shutdown would not be warranted. Consequently, it was planned to continue test until 2000 hours were accumulated.

C. COMPONENT LIFE ANALYSIS

Life analysis was performed on the turbine wheels and blades and on all of the turbine power train bearings because of a reduced operating speed and the introduction of refractory alloy rotor blades. As discussed in previous reports, the turbine parts are life-limited, as opposed to short-time yield or ultimate strength limitations. The analysis was performed using actual blade weights and measured interstage temperatures at a rotative speed of 18,250 rpm. The design temperatures were 1460°F for the first stage and 1310°F for the second stage. These temperatures were obtained from performance testing data shown on Figures 32 and 33. The upstream total to downstream static pressure ratio used is 3.47.

The following is a tabulation of maximum stresses and the allowable operating life based on master rupture using these stresses.

Stage One	Maximum Stress, psi	Life, hours
Blade (U-700)	23,800	28,000
Wheel (U-700) (Dovetail)	33,300	3,000
Stage Two		
Blade (U-700)	29,800	700,000
Blade (Refractory)	38,300	10^{12}
Wheel (U-700) at Refractory Blade Location (Dovetail)	45,400	15,000

The ball bearing lives were determined for the turbine using the endurance test speed of 18,250 and a total thrust load of 1047 lbs. The thrust load is

due to a 425 lb. spring preload and 622 lbs. of rotor thrust as determined by the pressure distribution shown in Figure 34.

The following tabulation shows the thrust loads and the calculated bearing lives using these loads.

	Load, lbs.	Life Exceeded by 90% of Tested Bearings, hr.
Potassium Turbine	1047	2250
Steam Turbine	200	4250
Water Brake	100	2275

D. COMPONENT PROCUREMENT AND DESIGN

Procurement of back-up turbine components includes the following:

1. First and Second Stage Wheels - The wheels are nearly completed with grinding of the curvic coupling teeth yet to be done.
2. Nozzle Diaphragms - Parts are in process at the vendor's shop. Delivery is expected in late December, 1965.
3. Bearing Pads - Expected by December 10, 1965.
4. Turbine casings were delivered and accepted in October.
5. Turbine exhaust scroll - A detail production drawing of an improved but interchangeable design will be sent out for quotes in mid November.

IV. 3000 KW FACILITY

The main event for this quarter was the return of the rebuilt turbine to the test facility for endurance testing. In addition to installing the turbine in the test facility, several minor modifications to the test facility were completed. These modifications include additional safety features in regards to personnel and equipment.

A. FACILITY MODIFICATIONS

A 1.0-inch thick steel plate was installed inside the turbine support chamber (glove box) to minimize damage to the test cell in the event of turbine explosion. As an added safety feature, woven wire blast mats were hung on each side of the turbine to serve as an additional barrier to flying objects in the event of drastic failure of the turbine. To prevent the test cell from being flooded with potassium oxide in the event of a leak in the turbine casing, the otherwise closed turbine support chamber was vented directly to the scrubber systsm. Figure 35 shows the blast mat and glove box exhaust duct in the background.

The potassium turbine lube system was equipped with an accumulator to supply oil for about 5 seconds on loss of the oil pump. (This was later changed to a 20 second oil supply.) This system was also equipped with a hand operated oil pump to supply oil to cool the turbine bearing housing in the event of an extended loss of the electrically driven oil pumps. The electrical control power for the lube oil system was connected to a power transformer independent of the main control power. This is to provide added safety for maintaining the oil system in operation even though the main control power is lost. Many indi-

vidually fused to prevent the main control circuit breaker from opening in the event of a single isolated short in the control system.

Several control items were modified for automatic control during the endurance testing. Therefore, operation of the facility has been simplified thus requiring fewer people per shift. The more significant modifications are:

(1) An overflow drain line was installed between the slinger seal head tank and the slinger seal dump tank. Therefore, a constant liquid level is maintained in the head tank by gravity drainage even though the make-up in the head tank varies from 2 to 8 gal/hr. (Make-up in the head tank results from potassium vapor passing through the shaft forward labyrinth seal and condensing on the relatively cool slinger seal in the turbine.)

(2) The desired condenser pressure is maintained by automatically controlling the air flow through the condenser.

(3) The liquid level in the condenser condensate drum is automatically controlled. Prior to endurance testing this was controlled manually and required constant attention.

(4) Turbine speed is being controlled automatically by constant modulation of the "fine-control" water brake back pressure valve. Speed is usually held within $\pm$ 60 rpm of the set point. Occasionally the speed will swing $\pm$ 100 rpm about the set point depending on what caused the disturbance.

After 254 hours of continuous running, the turbine was inadvertently shut down when the turbine overspeed trip was energized during a routine calibration of the speed readout.

When the overspeed trip was energized, the valve supplying water to the brake failed to open. Therefore, turbine speed was not immediately reduced; consequently, the turbine pad bearing was damaged and replacement of this bearing was required. At this time, decision was made to install a 20-second oil accumulator in the turbine oil system and to keep the main oil pumps running in all emergency shutdowns except loss of argon to the turbine labyrinth seal.

V. MATERIALS SUPPORT

A. TZC CARBURIZATION STUDIES

It was reported previously that the TZC material, from which turbine buckets were fabricated, had a ductile-to-brittle transition temperature between room temperature and 150°F. Turbine preheat temperatures up to 600-650°F would assure that the TZC bucket dovetails would possess good ductility during turbine startup and during operation at elevated temperatures. The possibility existed that surface carburization of the TZC could occur in the turbine facility, as previously indicated by one isolated instance of the apparent carburization of a TZM specimen exposed to the turbine environment. It was appropriate to determine if carburization of the TZC material could occur by contact with liquid potassium containing carbon and to determine the effect of such carburization on the low temperature ductility of TZC. For this purpose, four TZC tensile specimens were heated in liquid potassium containing a large amount of carbon for 100 hours at 1400°F; tensile tests at elevated temperatures were then performed to evaluate the ductility of the carburized specimens.

A 1-1/4-inch, Schedule 80, Type 321 stainless steel capsule 7-3/4 inches long was prepared. The four tensile specimens were assembled in a parallel array by means of stainless steel wire fastened at the heads of the tensile specimens. An amount of carbon sufficient to carburize all of the molybdenum to MoC and all of the chromium in the stainless steel capsule to Cr_3C_2 was calculated as 33.5 grams. This amount of carbon was added as four, 5-inch lengths of 1/4-inch diameter spectrographic grade

carbon electrodes; they were located in positions parallel to the test bars, around the inner surface of the capsule. The capsule was filled with approximately 80 cc of potassium, which was sufficient to occupy 80 per cent of the capsule volume at the test temperature. Transfer of the potassium to the capsule was done in an electron beam welding chamber modified for the filling and weld annealing of capsules in a vacuum of 10^{-5} to 10^{-6} torr.[1] Analyses of a sample of potassium taken from the transfer line to the weld chamber indicated 8, 15 and 12 ppm oxygen. Spectrographic analysis of the transferred potassium did not disclose any unexpected elements or unacceptable impurity levels.

After exposure of the capsule in an air furnace at 1400°F for 100 hours, the capsule was opened in an argon atmosphere, the potassium was melted and removed, the test specimens were collected under mineral oil, and were subsequently cleaned using hexane and alcohol.

Table IV shows the tensile test results of these TZC test specimens; they exhibited no ductility at test temperatures as high as 650°F, which is the maximum reasonable temperature for turbine preheat. Ductile failure occurred at 1200°F. Figure 36 shows the presence of a 0.0002-inch thick carbide film which was identified by x-ray diffraction as Mo_2C and MoC. Carbon analysis of a 0.030-inch thick section from the end of a tensile specimen indicated a carbon content of 2200-2500 ppm compared to an original vendor analysis of 1470 ppm. This experiment suggested that <u>if</u> a condition

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[1] Frank, R.G., "Materials for Potassium Lubricated Journal Bearings," Quarterly Progress Report. No. 3, NASA Contract NAS 3-2534, NASA-CR-54703, January 22, 1964.

which is highly carburizing to the molybdenum alloys occurs in the turbine facility, the molybdenum alloy buckets would probably remain ductile at the operating temperature but would have very low ductility under turbine restart conditions. It also emphasized the need for a rapid evaluation of the refractory alloy probe specimens after the first turbine shut down. Fortunately, evaluation of these probes indicated that such a carburizing condition toward the molybdenum alloys did not exist in the turbine facility.

B. EVALUATION OF THE REFRACTORY ALLOY PROBE SPECIMENS

When the turbine was shut down after 254 hours of the endurance run in September, 1965, evaluation of the TZC, TZM and F-48 probe specimens was made. The probe at station one, which operated at 1520°F, and one of the probes from the condenser, which operated at 1260°F, were removed and cleaned in hexane and alcohol. These probes are shown in Figure 37.

The evaluation data for the TZC, TZM and F-48 probe materials are shown in Tables V and VI . The F-48 alloy lost about 0.0400 to 0.0700 gram at station one and about 0.0900 to 0.1100 gram in the condenser. In comparison, the molybdenum alloy weight changes were very much less; they gained only 0.0002 to 0.0004 gram at station one and lost only 0.0005 to 0.0012 gram in the condenser. Weight losses of the specimens in the condenser were probably greater because of the lower quality of the vapor entering the condenser and the greater purity of the freshly condensed liquid potassium droplets striking the specimens; also, the specimens in the condenser were not protected by a perforated sleeve as were those at station one.

Within the range of experimental error there were no significant indications of carbon contamination in the molybdenum alloy probe specimens. The TZC specimen at station one appears to have been decarburized somewhat. While TZC specimen II-4, located in the condenser, gave two unexpectedly high carbon analyses of 2850 and 4730 ppm, three other analyses at 1170, 2160 and 1180 were well within the expected range. The other TZC specimen in the condenser indicated no significant change. It is suspected that the two high carbon analyses resulted from the retention of zyglo inspection fluid in cracks which were formed during the mechanical testing discussed below. The TZM specimen at station one also appeared to have decarburized at the surface but those in the condenser were not appreciably affected.

The range of carbon variation in unexposed TZC specimens is indicated by values of 1760 and 1490 ppm obtained from consecutive analyses of the same specimen; this compared with an original vendor carbon analysis of 1470 ppm. Because of the observed variation in carbon analyses, the comparison of any two values is not sufficient for conclusions; however, a general carburizing condition toward the molybdenum alloys again did not appear to exist. In all cases, the F-48 columbium base alloy increased in carbon content.

Gas analyses were not performed on the surface specimens of the TZC rings since these were diverted to flattening tests for measurement of bend ductility. These probe specimens were machined along their inside diameters to produce thin walled cylinders with a wall thickness of about 0.040 inch and a nominal length of about 3/8 inch. The test specimens were compression

loaded across their diameters at a cross-head rate of 0.001 inch/minute at temperatures of either 500°F or 650°F. The first tests, shown in Table VI were performed on fully cylindrical specimens, and when ductile failures were not observed in either the parent material or the test specimens, a section of each cylinder was then removed so that a "C" type specimen was produced. Specimens from the first compression tests were used when the cracks could be removed in the section which was cut out to form the "C" type specimen. The "C" type specimen was considered to better simulate a simple bend test in which the outermost fibers of the cylinder are stressed in tension. In contrast to the first tests in which very little ductility was demonstrated, the second tests on the "C" type specimens showed very good ductility. These ductility results and the absence of carbon pick-up supported the decision to resume turbine endurance testing.

Metallographic examination of segments of the ring specimens disclosed no visible contamination of the molybdenum TZC or TZM alloys. A thin surface film was observed on the F-48 specimens. This surface film is shown in the photomicrographs in Figure 38 and Figure 39. Further effort is underway to correlate this structure with microstructures observed in earlier F-48 probe specimens from turbine performance test exposures.

Since it was difficult to compare the TZC pretest tensile ductility and the TZC ductility obtained from a ring type of specimen taken from the probe after exposure to the turbine facility, it was desired to expose four TZC tensile test specimens to the turbine atmosphere for later ductility measurements. These four specimens were contained in a Type 316 stainless

steel sleeve located on a condenser section probe and will be exposed to the condenser environment for the remainder of endurance testing.

C. METAL DEPOSITS ON BUCKETS

The second phase of the performance testing, which occurred between March and May of 1965, produced no noticeable impact erosion of the turbine buckets. This observation supports the previous presumption that the metal removal observed after the first phase of performance testing in October of 1964 was the result of appreciable amounts of unsaturated liquid metal being sprayed into the turbine section through the liquid spray line. Metallographic examination of the first stage buckets subsequent to the second performance test disclosed a uniform metallic film on the first stage airfoil of approximately 0.0005-inch thickness. A similar film of 0.0002-inch thickness was observed on the second stage airfoil. These uniform deposits, which are shown in Figures 40 and 41 are believed to occur when liquid droplets containing dissolved metal strike the airfoil and either evaporate or cool, leaving behind some of the metal which was dissolved in the droplet.

In addition, small pieces of metal were attached to the buckets as well as stator components as referenced in the previous quarterly report. Figure 42 shows the structure of the metal foil which was removed from the eight-inch inlet line at station one. The similarity between this deposit and the deposit found on the first stage bucket shown in Figure 43 strongly supports the previous contention that the porous metal deposits found on the first stage buckets did come from the wall of the eight-inch line and were not formed by an agglomeration of small impacting particles. These metal deposits contained 49.5 per cent iron, 5.2 per cent chromium, 38.4 per cent nickel and 0.52 per cent carbon.

D. DETERMINATION OF IMPURITIES IN POTASSIUM

1. Introduction

During this report period, the potassium sampling system was modified to allow sampling from the loop during operation as well as from the dump tank during shut down. Previously, potassium specimens were taken only from the dump tank. The modified arrangement permits taking a potassium sample from the flowing loop during test operation to monitor the impurities in the loop. In addition, it is still possible to take samples from the dump tank. The time between obtaining the sample and obtaining the results of the analysis of the loop potassium for oxygen has varied from 6 to 48 hours.

2. Apparatus and Sampling Procedure

The present sampling apparatus is shown schematically in Figure 44. The 450-Btu heat exchanger feeds potassium to the argon reclamation system and the fill line for the slinger seal loop. The normal temperature of the potassium leaving the heat exchanger is about 250°F which is lower than that desired for sampling. Thus, the heat exchanger is adjusted so that the effluent potassium temperature ranges from 350°F to 400°F during the sampling operation. Higher sampling temperatures impair the efficiency of the argon reclamation system and are, therefore, not considered feasible.

The 450-Btu heat exchanger is supplied with potassium from the main loop through valve VPL-8 which is located downstream from the EM pump. This potassium has passed through the 8-inch turbine feed line, the turbine and the condenser and, after an initial operating period during which contaminants may be removed from these components, should be pure and representative of the quality of the working fluid.

Referring to Figure 44 , the sampling procedure is as follows:

a. Connect a clean, argon filled sampling tube and flush the reservoir to the sampling valve 7 and the argon supply valve 3 using Swagelok fittings. (All parts of the sampling system, excepting the lucite viewport on the flush reservoir, are austenitic stainless steel.)

b. Wrap the sample tube, overflow reservoir and overflow tank with heating tapes and heat all metal transfer components to 400°F.

c. Adjust the pressure in the overflow tank to about 15 psia.

d. Reduce the heat rejection in the heat exchanger to raise the potassium temperature to 350-400°F.

e. Open valve VML-2 to fill the line to valve 6.

f. Open valve 6 to fill the lines between valves 5, 7 and 8.

g. Open valve 8 and flush a quantity of potassium equal to one to two times the volume of the lines between valve VML-2 and valve 8 into the overflow tank. Close valve 8.

h. Open valve 1 and, with argon flowing through valve 1, open valve 7 and flush the sample tube with a quantity of potassium equal to twice its volume into the overflow reservoir.

i. Close valves 1 and 7, pressurize the overflow reservoirs to 10 psig with argon and turn off the heating tapes.

j. Close valve VML-2 and open valve 8 to drain the potassium out of the lines between valves 5, 7 and VML-2.

k. Close valves 2, 3, 6 and 8 before the potassium solidifies.

l. When the potassium has frozen, disconnect the sample tube at valve 7 and the argon supply at valve 2. Cap the sample tube.

m. Clean valve 7 down to the valve seat.

n. Submit the sample for analysis for oxygen, carbon and metallic impurities.

3. Results

Specimens of potassium were removed from the loop for analyses during recent turbine operations from September 13 to September 24, 1965 and from October 8, 1965 to the present time. The analytical data obtained are presented in Table VII.

Considering the data from the first operational period, specimen No. 225 was removed from the loop after filling from the dump tank but before the turbine was operated with potassium vapor. The oxygen value of 27 ppm indicates that some contamination of residual loop potassium occurred during the long shutdown prior to this test. Specimen No. 226 was removed from the loop two hours after operation of the turbine with potassium vapor was initiated. The high values for both oxygen and carbonate carbon again indicate possible contamination of the residual potassium in the turbine feed line and condenser during the shutdown. Specimen No. 227, taken after 5-1/2 hours of turbine operation contained

only 14 ppm oxygen, indicating that the hot trapping, by the zirconium getters in the boiler bypass hot trap and in the condenser, and the distillation which occur during loop operation had reduced the oxygen content to the desired low level. It is believed that specimen No. 231 was contaminated with oxygen during the analysis. Specimen No. 236 was obtained from the dump tank after dumping the loop following cessation of the first test period and indicates that the potassium in the loop during the turbine operation was 13 ppm oxygen.

Turbine operation and loop sampling was resumed on October 8, 1965. The oxygen results shown in Table VII indicate that little if any contamination of residual potassium in the loop occurred during the two-week shutdown between the test periods. Specimen No. 240, taken after 5 hours of turbine operation, and Specimen No. 260, taken after 700 hours of turbine operation, had oxygen values noticeably higher than the remaining 18 specimens analyzed over the 746-1/2 hour period. These two high values are attributed to contamination during sampling or analysis; the remaining 18 specimens consistently analyzed between 5 and 10 ppm oxygen. No carbon results are yet available for the second turbine test which is still in progress to date. However, additional carbon results and metallic analyses on potassium from both test periods should become available during the next report period.

The analyses for oxygen were performed by SPPS using the inert gas amalgamation method. The results shown in Table VII include an analytical blank which was not subtracted and, based on prior work, ranges from 5 to 15 micrograms of oxygen. Therefore, the oxygen values in Table VII are believed to be from 2 to 6 ppm high for practically all analyses.

The analyses for carbon were done by Mine Safety Appliance Research Corp., Callery, Pennsylvania. Their method consists of first reacting the potassium with water and analyzing the off gases mass spectrometrically. The presence of hydrocarbons such as methane or acetylene in the off gases indicate the presence of carbides in the potassium. The alkaline solution containing the potassium hydroxide is then acidified and again the off gases are analyzed. Carbon dioxide evolution indicates the presence of carbonates. Finally, the salt solution is evaporated to dryness and any elemental carbon is oxidized to carbon dioxide which is determined mass spectrometrically.

The oxygen and carbon values shown in Table VII are averages of two separate analytical determinations.

4. Conclusions

The residual potassium in portions of the turbine loop was contaminated by exposure to air during the long shutdown period preceding the loop operation which began on September 13, 1965. However, the operation of the turbine loop rapidly removed the oxygen and carbonate carbon from the potassium by the combined processes of hot trapping and distillation.

Analyses of the potassium used to operate the turbine loop following a two-week shutdown and during more than 750 hours running time indicate an essentially constant oxygen concentration in the potassium at less than 10 ppm.

The data in Table VII indicate that the elemental carbon content of the potassium remains constant and, consequently the equilibrium concen-

tration is apparently about 20 ppm for freshly condensed potassium removed from the condenser. Possible sources of indications of carbon in the turbine loop are considered to be as follows:

a. All components contacted by the potassium vapor and condensate.

b. Entrained carbon from the boiler.

c. Oil in the argon supplied to the slinger seal.

d. Oil in the argon supplied to the potassium seal.

e. Errors in the analytical method for carbon in potassium.

Assuming the partial pressure of carbon in the potassium vapor to be negligible, a pickup of 36 pounds of carbon from the vapor drum, separator dome, 8-inch line, turbine and condenser would be required to produce 20 ppm carbon in the potassium condensate. This amount of carbon pickup is highly unlikely and thus the first carbon source is ruled out. The vapor quality from the boiler is at least 99.6 per cent requiring that entrained droplets contain 4000 ppm carbon - a condition that is possible but not probable. That the oil in the argon to the slinger seal could supply 36 pounds of carbon to the potassium is considered impossible, since this argon was discarded during the first 250-hour test period. The argon to the potassium seal would have to contain about 6000 ppm carbon (on a weight basis) to produce a 20 ppm carbon concentration in the potassium - another highly unlikely possibility.

The Mine Safety Appliance Research Corporation claims a 2 ppm elemental carbon blank in their analytical method and their duplicate analyses were

within a 3 ppm range. Thus the 20 ppm level does not appear to be attributable to the analytical method.

It must be concluded, from the limited data available, that none of the apparent sources of carbon in the loop can account in a simple way for the 20 ppm of elemental carbon which is found in the potassium that is removed from the condenser. Therefore, it must be assumed that the carbon is in dynamic equilibrium throughout the system and that the equilibrium concentration under the conditions which prevail in the condenser is 20 ppm. In view of this and the foregoing arguments, it appears that carbon may be present in the potassium vapor as a gaseous, molecular species. This could maintain the equilibrium condition in the condenser.

Additional analyses of the condenser potassium for carbon will be performed on samples from the second turbine test run to determine if this conclusion is substantiated. In addition, forthcoming metallic analyses of the potassium used during the turbine tests may provide information leading to new and/or different conclusions concerning mass transfer effects in the turbine loop system.

E. DETERMINATION OF IMPURITIES IN ARGON

1. Introduction

During the operation of the turbine during this quarter, the argon supplied to the turbine slinger seal was monitored continuously for oxygen and water concentrations. High concentrations of such impurities in the argon could lead to corrosion of the refractory metal turbine buckets and

other parts of the system through contamination of the potassium in the main loop. Argon containing 2 to 3 molar ppm of oxygen as oxygen and water is supplied to the argon buffer portion of the dynamic seal separating the potassium vapor and oil at a rate of about 60 lbs/hr. Part of this argon passes into the slinger seal cavity and is scavenged with liquid potassium, which not only removes potassium droplets from the argon, but also removes impurities such as oxygen and water vapor. It is this portion of the argon (about 80 per cent) which is reclaimed for continued use. The impurities removed from it end up in the loop potassium. The remainder of the argon passes into the oil side of the seal and is eventually discharged to the atmosphere. This argon is not reused and does not contact the potassium. Therefore, it does not contribute to the contamination of the potassium.

Continuous analysis of the mixture of the reclaimed argon and make-up argon from the liquid argon source provides the necessary assurance that the usual low concentrations of oxygen and water vapor are being maintained and, thus undue contamination of the loop potassium from this source has not occurred.

2. Apparatus

A Beckman, Model 97, Portable Electrolytic Hygrometer (Hygromite) was used to measure the water vapor concentration of the argon. This instrument operates on either an ac or dc power source and has full scale ranges of 10, 30, 300 and 1000 volume ppm. The accuracy is $\pm$ 5 per cent of the full scale reading. Ten to twenty minutes after initiation of operation, 90 per cent of the true value is obtained.

The operation of the hygrometer is governed entirely by Faraday's Law; i.e., the mass of a substance involved in reaction at the electrodes is directly proportional to the quantity of electricity passed through the cell. Water vapor in the gas which flows through the instrument is absorbed by the partially hydrated, phosphorous pentoxide film coating the electrolytic cell. When the direct current voltage is applied between the two platinum electrodes in the cell, the adsorbed water dissociates into hydrogen and oxygen gases. The total current through the hygroscopic, P_2O_5, film is directly proportional to the number of water molecules being electrolyzed.

The amount of current produced by the dissociation process is read on a current meter which is calibrated to read water vapor concentration directly in parts per million by volume for a sample flow of 100 cc/min. at 70°F and one atmosphere.

A Minoxo, Model M-4, oxygen indicator was used to measure the oxygen concentration of the argon. Two ranges, 0-10 ppm and 0-100 ppm are available for measurement. An accuracy of $\pm$ 5 per cent of the full scale range is claimed by the manufacturer over a 24-hour period without recalibration.

The indicator operates on the principle of a galvanic cell and consists of a silver cathode and an anode made of active cadmium separated by a porous tube saturated with 8 per cent potassium hydroxide solution and mounted within a glass tube through which the argon passes.

Oxygen in the argon is adsorbed on the surface of the silver cathode and goes into solution in the electrolyte as a hydroxide. This process causes a current to flow in an external circuit which consists of a recorder and

resistive load connected across the cell electrodes. The millivolt output from the cell is directly proportional to the oxygen concentration in the argon up to an oxygen concentration of 30 volume ppm.

3. Operation

The Minoxo indicator contained a calibrator unit within the instrument. Oxygen and hydrogen are electrolytically generated at the electrodes of the calibrator and added to the argon in quantities according to Faraday's Law which states that for each milliampere of current passed through the electrolyte 34.6 ppm of oxygen are produced (at 32°F and 1 atm) in a gas stream flowing at a constant rate of 100 cc/min. At the flow rate of 369 cc/min (at 60°F and 1 atm) in the Minoxo indicator (approximately 3 to 1 dilution of gas) 1 ma of current produces 10 ppm oxygen or 0.1 milliampere produced 1 ppm oxygen. The total of oxygen added from the calibrator plus the oxygen present in the argon stream is the reading on the recorder. Subtracting the oxygen added from the calibrator from the total reading gives the true value of oxygen present in the argon stream.

During the shutdown after the first 254-hour test period, it was decided to make provisions for a calibration gas in the sampling system of the Minoxo indicator and electrolytic hygrometer in order to better interpret the data derived from the argon analysis. A "tee" and valve arrangement was installed so that the argon supplied to the turbine could be shut off and the calibration gas (1.3 ppm oxygen and 5.6 ppm water) purged through the sampling system. This provided a check on the analytical results.

4. Results

Typical analyses for the 1000-hour test period may be seen in Figure 45. The water level in the argon generally ran between 0.2 and 0.8 ppm while the oxygen level varied between 1.0 and 2.0 molar ppm.

Since the oxygen eventually ends up in the main loop potassium, it could lead to contamination of the potassium which reaches the turbine. However, the oxygen concentration in the potassium exiting from the condenser has remained below 10 ppm; consequently, the combined hot trapping and distillation processes which take place in the main loop are adequate to remove the oxygen added with the argon.

It is of interest to note that during the 180 to 210-hour interval of the test period a malfunction of the argon compressor occurred and shortly afterward the water vapor concentration in the argon read consistently low (0.05 ppm). The compressor is used for reclaiming the argon in the system. Removal of the electrolytic cell from the system during the shutdown revealed that the cell was inoperative. The conclusion may be drawn that, during the period of compressor failure, oil vapor coated the cell element thereby making it inert to the absorption of available water vapor from the argon supply, and therefore, inoperable.

The compressor malfunction was also indicated by the increase in oxygen concentration during this same period.

When testing was resumed at the 254-hour point a period of approximately 85 hours was necessary before sufficiently stable readings were

recorded. At a point between 700 and 750 hours the third and fourth calibrations were run with a noted decrease in water concentration of the calibration gas. This indicated a contamination of the phosphoric acid coating within the cell which probably prevented the absorption of water. The extremely low values (0.1 ppm water) obtained between the 750 and 760-hour test point confirmed the results of the third and fourth calibration. Examination of the hygrometer cell after removal from the system indicated a contaminated cell. Insertion of a new electrolytic hygrometer cell and an additional calibration resulted in water vapor values which approached those of the previously analyzed calibration gas. The results of the five calibrations run during the 1000-hour period are as follows:

Calibration No.	Date of Analysis	Impurities	
		O_2(ppm)	H_2O (ppm)
Std. Analysis		1.30	5.6
1	10/13/65	1.95	4.6
2	10/18/65	1.70	5.2
3	10/27/65	1.50	2.6
4	10/28/65	1.50	3.2
5	11/4/65	1.50	6.8

F. DETERMINATION OF POTASSIUM IN BOILER FLUE GAS

1. Introduction

Safety considerations require monitoring of the boiler flue gas to provide an early warning of potassium leaks in the boiler tubes to facilitate an orderly shutdown of the boiler.

During turbine operation, prior to the endurance testing, the flue gas was monitored by aspirating a sample of gas through a filter paper at a rate of approximately 30 scfm. Particulate matter in the flue gas was deposited on the filter paper and any potassium compounds on the paper were subsequently determined by dissolution in distilled water and measuring the potassium in the resultant solution by flame photometry. The sampling period was five minutes and the minimum interval between samples was twenty minutes because of the numerous manual operations involved. This monitoring procedure provided a rather delayed alarm system for a boiler tube leak and required at least one technician to be present for monitoring the flue gas at all times during boiler operation.

To circumvent the deficiencies of manual flue gas monitoring and to reduce the manpower required, a continuous, automatic, potassium smoke detector was designed, built and placed in operation for the current turbine endurance run. The automatic smoke detector eliminates all of the manual operations encountered in previous flue gas monitoring efforts and provides an earlier indication of an increase of potassium concentration in the flue gas. The design of the automatic potassium smoke detector is based on extracting a sample of flue gas from all boiler stacks simultaneously, bubbling the gas through a column of water and determining the potassium concentration in the water by flame photometry. The potassium concentration in the bubble chamber water is indicated on a strip chart recorder which is equipped with an audio alarm to alert the turbine operators to a sudden increase of potassium in the flue gas. Details of the automatic smoke detector are provided below.

2. Apparatus

The automatic potassium smoke detector is shown schematically in Figure 46. The detector system can be divided into three distinct units for the purpose of this discussion; i.e., flue gas sampling, potassium concentration measurement, and potassium concentration readout.

The flue gas sampling system consists of a bubble chamber containing approximately one liter of distilled water. The flue gas inlet line dips below the water level thus forming a scrubber when the sampling unit is actuated. The flue gas discharge line from the bubble chamber is connected to a positive displacement, Roots, blower which provides a negative pressure above the water in the bubble chamber including flue gas flow. The flue gas flow through the bubble chamber is regulated to approximately 5 scfm by means of a throttle valve between the bubble chamber and the Roots blower. A heat exchanger is located in the flue gas inlet line and a water vapor trap is provided in the discharge line.

Potassium compounds carried by the flue gas to the bubble chamber dissolve in the water, and a measure of the potassium content of the water will give an indication of the potassium content of the flue gas. A Coleman, Model 21, flame photometer is used to measure the potassium content of the water in the bubble chamber. Sampling of the water in the bubble chamber is accomplished by transferring a small quantity of water on a continuous basis through a stainless steel micrometallic filter into a sampling cup provided with an overflow standpipe. A plastic capillary tube connects the sampling cup to the flame photometer. The water in the

sampling cup is continuously aspirated into the flame where the potassium in the water emits a characteristic wave length of light proportional in intensity to the concentration of potassium in the water.

The signal from the phototube in the flame photometer is fed into a 10 mv strip chart recorder, where a continuous record of the potassium content of the water in the bubble chamber is displayed. An audio alarm is provided on the recorder and is actuated when the pen on the strip chart recorder reaches 40 per cent of full scale. The turbine operating technicians record data, adjust water flow and flue gas flow to the smoke detector. They also perform an hourly calibration of the flame photometer by aspirating a standard potassium solution into the flame.

3. Results

Since the rate at which the flue gas is sampled is about 5 scfm and the flue gas exhaust rate for the boiler under the prevailing operating conditions is about 8000 scfm, the fraction of the flue gas sampled is about 6×10^{-4}. The detection limit of the flame photometer system is about 0.2 micrograms K/ml or 200 micrograms/l. One liter being the volume of water in which the potassium in the 5 scfm of flue gas is dissolved in one minute, it follows that the apparatus should detect a potassium leak of 0.33 gm/minute in one minute, provided that all of the potassium in the flue gas arrives at the bubble chamber and dissolves in the water as the flue gas passes through the bubble chamber.

It is unlikely that the scrubbing efficiency in the bubble chamber is 100 per cent or that the smoke in the firebox of the boiler is swept into

the stacks and down the sampling pipe with 100 per cent efficiency; thus, the detection limit must be adjusted upward. Tests are being planned to spike the firebox with a potassium compound to determine the true detection limit and the time lag between spiking and detection.

During that portion of the turbine endurance run which took place during the present report period, no significant quantity of potassium was detected in the flue gas.

TABLE I

POTASSIUM TURBINE TESTING - 3000 KW FACILITY

ITEM NO.	PARAMETER	LOCATION	STATION	RANGE	SENSOR	CONTROL ROOM READOUT	UNITS OF RECORDING ANALOG OR DIGITAL No.	CHANNEL OR POSITION
1	Vapor Total Temp., °F	045-1	1	1400-1650°F	CA T/C	Digital		
2	Vapor Total Temp., °F	135-1	1	1400-1650°F	CA T/C	Digital		
3	Vapor Total Temp., °F	235-1	1	1432-1682°F	CA T/C	Sanborn		1-B
4	Vapor Total Temp., °F	315-1	1	1400-1650°F	CA T/C	Digital		
5	Vapor Total Temp., °F	315-2	1	1400-1650°F	CA T/C	Digital		
13	Calorimeter Temp., °F	Calorimeter 010-1	1	1400-1650°F	CA T/C	Digital		
28	Vapor Temperature	Wheel Space 120		1450-1650°F	CA T/C	Digital		
29	Vapor Temperature	Wheel Space 330	4	650-1650°F	CA T/C	Digital		
32	Vapor Temperature		5	650-1650°F	CA T/C			
33	Vapor Temperature		5	650-1650°F	CA T/C			
46	Vapor Temperature	OGV 128	7	650-1650°F	CA T/C	Digital		
47	Vapor Temperature	OGV 142	7	650-1650°F	CA T/C	Digital		
48	Vapor Temperature	OGV 156	7	650-1650°F	CA T/C	Digital		
49	Vapor Temperature	OGV 230	7	650-1650°F	CA T/C	Digital		
50	Vapor Temperature	OGV 45	7	650-1650°F	CA T/C	Digital		
51	Vapor Temperature	OGV 308	7	650-1650°F	CA T/C	Sanborn		2-B
52	Vapor Temperature	SW-1	8	650-1650°F	CA T/C	Digital		
53	Vapor Temperature	SW-2	8	650-1650°F	CA T/C	Digital		
54	Vapor Temperature	SE-1	8	650-1650°F	CA T/C	Digital		
55	Vapor Temperature	NE-1	8	650-1650°F	CA T/C	Digital		
56	Vapor Temperature	NW-1	8	650-1650°F	CA T/C	Digital		
62	Vapor Static Pressure	N-1 Main Cond.	8	0-50 Psia	Taylor Statham	Digital & Sanborn		
81	Condenser Liquid Lev.	Condenser	11	0-6 inches	Ohmart & Brown	Sanborn		3-C
82	Main Condenser Flow	Main EmFm	11	0-10 MV	EmFm	Sanborn & Digital		
83	Flow Temp. of Main Condenser	Main EmFm	11	432-932°F	CA T/C	Sanborn & Digital		

TABLE I

POTASSIUM TURBINE TESTING - 3000 KW FACILITY

(CONTINUED)

ITEM NO.	PARAMETER	LOCATION		STATION RANGE	SENSOR	CONTROL ROOM READOUT		CHANNEL OR POSITION
85	Speed (Berkeley)	Steam Turb.	11	0-25,000 rpm	Magnetic Pickup	Berkeley		
86	Speed Sanborn & Digital	Steam Turb.	11	0-25,000 rpm	Magnetic Pickup	Sanborn & Digital		7-B
87	Steam Turbine Torque	Steam Turb.	11	0-200 in/lb	Bytrex	Dial & Digital		
88	Potassium Turbine Torque	"K" Turbine	11	0-100 lb	Sanborn & Loadcell	Dial & Digital		2-A
89	Condenser Liquid Temperature	Condenser	11	300-1300°F	CA T/C	Digital		
90	R.T.D. C.A.T.S. Block Temperature	CATS Block			R.T.D.	Digital		
93	Transducer P-s 5.0 volts			5.0 volts		Digital		
94	Standard Resistor R.T.D. Network			5.6 MV		Digital		
	TURBINE PAD BEARING							
95	Pad Bearing Temp. Pad #2	Pad Bearing		250°F	CA T/C	TR #3-1		
96	Pad Bearing Temp. Pad #2	Pad Bearing		250°F	CA T/C	TR #3-2		
97	Pad Bearing Temp. Pad #1	Pad Bearing		250°F	CA T/C	TR #3-3		
98	Pad Bearing Temp. Pad #5	4-R Pad		250°F	CA T/C	Sanborn		4-A
99	Pad Bearing Cavity Temp.					TR #3-4		
100	Pad Bearing Lube Inlet Pressure	Pad Bearing		200 psig	Bourdon Gauge	Visual & Wrng.Sig		
101	Pad Bearing Lube Flow	Pad Bearing		0-200 H_2O (3 gpm)	Foxboro D.P.Cell	Sanborn		6-A
102	"K" Turbine Bearing Lube Temperature Out			250°F	CA T/C	Digital& TR #3-5		
103	"K" Turbine Bearing Lube Temperature In			250°F	CA T/C	Digital & TR #3-6		
104	Stabilizer Bearing Temperature			250°F	CA T/C	TR #3-7		
	TURBINE BALL BEARING							
105	Rear Ball Thrust Bearing Temperature			32-282°F	CA T/C	Sanborn TR#3-20		4-A
106	Forward Ball Thrust Bearing Temperature			250°F	CA T/C	Sanborn & TR#3-8		3-A
107	Ball Bearing Lube Oil Pressure In			200 Psig	Bourdon Gauge	Visual & Wrng.Sig		
108	Ball Bearing Lube Oil Flow			0-200 H_2O (3 gpm)	Foxboro D.P.Cell	Sanborn		5-A

TABLE I

POTASSIUM TURBINE TESTING - 3000 KW FACILITY

(CONTINUED)

ITEM NO.	PARAMETER	LOCATION	STATION	RANGE	SENSOR	CONTROL ROOM READOUT		CHANNEL OR POSITION
	STEAM TURBINE BEARING							
109	Temp. Steam Turbine Bearing Forward			250°F	CA T/C	TR #3-9		
110	Temp. Steam Turbine Bearing Middle			250°F	CA T/C	TR#3-10		
111	Temperature Steam Turbine Bearing Aft.			250°F	CA T/C	TR#3-11		
112	Temperature Steam Turbine Lube In			250°F	CA T/C	TR#3-12		
113	Temperature Steam Turbine Lube Out			250°F	CA T/C	TR#3-13		
114	Steam Turbine Lube Oil Pressure			80 psig	Bourdon Gauge	Warning Light		
115	Steam Turbine & H_2O Brake Lube Oil Flow			1 gpm	Flow-Rator	Warning Light		
	WATER BRAKE							
116	H_2O Brake, Water Inlet Temperature			60°F	CA T/C	Digital		
117	H_2O Brake, Water Outlet Temperature			150°F	CA T/C	Digital & TR#3-18		
118	Temperature H_2O Brake Bearing Forward			180°F	CA T/C	TR#3-16		
119	Temperature H_2O Brake Bearing Aft.			180°F	CA T/C	TR#3-17		
120	H_2O Brake; Water Flow			0-50 gpm	D.C. Generator	Gauge		
121	H_2O Brake; Lube Oil Flow			1 gpm	Flow-Rator	Warning Light		
	VIBRATION							
122	Displacement Steam TurbineAftBearing Vert.			0-5 Mils.	Vib.P/U	Sanborn		7-A
123	Displacement Steam Turbine Aft. Bearing Hor.			0-5 mils.	Vib.P/U	Sanborn		7-A
124	Displacement Aft "K" Turbine Vert.			0-5 mils.	Vib.P/U	Sanborn		8-A
125	Displacement Aft "K" Turbine Hor.			0-5 mils.	Vib.P/U	Sanborn		8-A
126	Accel. Pad Bearing Vert.			0-10 g's	Accel.	Visual		
127	Accel. Pad BearingHor			0-10 g's	Accel.	Visual		
	HYDRODYNAMIC SEAL							
128	Temp. Seal "K" In			500°F	CA T/C	Digital & TR #2-9		
129	Temp. Seal "K" Out			1000°F	CA T/C	Digital & TR #2-10		

TABLE I

POTASSIUM TURBINE TESTING - 3000 KW FACILITY

(CONTINUED)

ITEM NO.	PARAMETER	LOCATION	STATION	RANGE	SENSOR	CONTROL ROOM READOUT		CHANNEL OR POSITION
130	Slinger Seal Turbine Inlet Pressure P-11			0-150 psig	Taylor Gage	Visual		
131	P-6 Oil Side Seal Pressure			0-30 psig	Foxboro & Wiancko	Sanborn & Visual		6-B
132	"K" Seal Flow			See Curve 0-25 MV	Pace & EmFm	Flow Rec. & Digital		
133	Temp. Argon Seal In			500°F	CA T/C	TI#3-46		
134	Turbine Argon Inlet Pressure P-7	Lab Seal Inlet at Man.		100 psig	Pressure Gauge	Visual		
136	Lube Cart Pressure Out			200 psig	Gauge	Visual		
137	Stabilizer Bearing Lube Pressure			200 psig	Gauge	Visual		
138	Stabilizer Bearing Piston Actuating Pres.			200 psig	Gauge	Visual		
139	P-8 Potassium Side Seal Pressure			-30"Hg to 100 psig	Taylor & Statham	Sanborn& Visual		5-B
140	Argon Header Press. P-1			0-60 psig	Taylor Gauge	Visual		
141	Argon Extraction Flow	Downstream of VPL-8	11	0-10 MV See Curve	EmFm	Sanborn		2-C
142	Boiler Drum Pressure	Boiler Inlet			Wiancko & Tylr.Gag	Sanborn		3-B
143	Turbine Shaft 270° Movement Radial	Stabilizer Bearing			Bently Gage	Oscillo-scope		
144	Turbine Bearing Housing Temp. (Fwd)	Bearing Housing	Sec. E		CA T/C	TR #2-11		
145	Turbine Bearing Housing Temp. (Aft)	Bearing Housing	Sec. F		CA T/C	TR #2-12		
146	Turbine Casing Fwd. Temperature	Turbine Casing	3	1400°F	CA T/C	TR #2-14		
147	Turbine Casing Aft. Temperature	Turbine Casing	5	1400°F	CA T/C	TR #2-15		
148	8" Vapor Line Temp.	6" Aft. of Spray Line	2	1400°F	CA T/C			
149	8" Vapor Line Temp.	14" Aft of Spray Line	2	1400°F	CA T/C	TR #1-2		
150	Pad Bearing Ring Temp. #1 T/C24°	Pad Bearing Ring			CA T/C	TR#3-19		
151	Pad Bearing Ring Temp. #2T/C50°	Pad Bearing Ring			CA T/C	TR#3-20		
155	Boiler Feed Flow	Boiler Input			EmFm	Sanborn		1-C
159	Vapor Static Pressure		1		Taylor & Pace	Digital		8-B
160	Vapor Static Pressure		7		Taylor & Statham	Digital		
161	Turbine Shaft Movement Radial(180°)	Stabilizer Bearing			Bently Gage	Oscillo-scope		

TABLE I

POTASSIUM TURBINE TESTING - 3000 KW FACILITY

(CONTINUED)

ITEM NO.	PARAMETER	LOCATION	STATION	RANGE	SENSOR	CONTROL ROOM READOUT		CHANNEL OR POSITION
163	Boiler Liquid Level	Boiler			Ohmart Gage	Recorder & Dial		
166	Boiler Discharge Temperature (Skin)	Upstream VPL-11		1650°F	Skin CA T/C	Sanborn &Digital		
167	Vapor Temperature	Midstream .022	3	1550°F	CA T/C	Digital		
168	Water Brake Forward Vibration Vertical	Water Brake			Vib.P/U	GE Vib. Meter		
169	Water Brake Forward Vibration Horizontal	Water Brake			Vib.P/U	GE Vib. Meter		
170	Water Brake Water Flow	Water Brake Inlet			Potter	Digital		
171	Vapor Drum Separator Heat Exch. T/C 47	Vapor Drum			CA T/C	Sanborn		4-B
172	Vapor Drum Separator Heat Exch. T/C 48	Vapor Drum			CA T/C	Sanborn		4-B
174	200"lb Bytrex Rear Temperature Flange	Top of 200 lb Byt.		150°F	Skin CA T/C	Digital		
176	1250"lb Bytrex Fwd. Flange Temp.	Top of Fwd. Flange		150°F	Skin CA T/C	Digital		
177	1250"lb Bytrex Rear Flange Temp.	Top of Rear Flange		150°F	Skin CA T/C	Digital		
178	Bearing Housing Fwd.	Bottom Centerline	Sec F		Skin CA T/C	TR 3-7		
179	Bearing Housing Mid	Bottom Centerline	Sec F		Skin CA T/C	TR 3-14		
180	Bearing Housing Aft.	Bottom Centerline	Sec F		Skin CA T/C	TR 3-15		
181	Vapor Total Temp.	Inlet Duet	3	1550°F	CA T/C	Digital		
182	Vapor Total Temp.	Inlet Duet	3	1550°F	CA T/C	Digital		
183	Vapor Total Temp.	Inlet Duet	3	1550°F	CA T/C	Digital		
184	Throttling Calorimeter Taylor Gage	Inlet Calorimeter	1		Taylor Gage	Digital		

TABLE II

POTASSIUM TURBINE TEST - 3000 KW FACILITY

SANBORN INSTRUMENTATION

ITEM NO-	PARAMETER	SANBORN NO.	STATION LOCATION #	LOCATION	SENSOR	RANGE IN UNITS	DIGITAL CHANNEL	CALIBRATION	TURBINE SYSTEM NO.	CELL WIRING	ATTENUATION
86	RPM	1A	11	Steam Turbine	6 Tooth Gear & Magnetic P/U	0-25,000 rpm		0-2500 cps			
88	Water Brake Torque	2A	11	Aft of "K" Turbine	Strain Gage Bytrex	0-1250 in/lbs		0-1250 in/lbs			
106	Fwd. Ball Bearing Temp.	3A		"K" Turbine	CA T/C	32° - 282°F	No	32° - 282°F			
98	Pad Bearing Temp.	4A		"K" Turbine	CA T/C	32° - 282°F	No	32° - 282°F			
105	Rear Ball Bearing Temp.	4A		"K" Turbine	CA T/C	32° - 282°F	No	32° -282°F			
108	Ball Bearing Lube Flow	5A		Lube Inlet	Foxboro D/P Cell	0-200" H_2O See Curve	No	3 - 15 psig			
101	Pad Bearing Lube Flow	6A		Lube Inlet	Foxboro, D/P Cell	0-200 " H_2O See Curve	No	3 - 15 psig			
122	Steam Turbine Vib.Vert.	7A		Aft. Face of Steam Turbine	Velocity P/U	0-5 mils	No				
123	Steam Turbine Vib.Horiz.	7A		Aft. Face of Steam Turbine	Velocity P/U	0-5 mils	No				
124	"K" Turbine Vib. Vert.	8A		Flange of "K" Turbine Bearing Housing	Velocity P/U	0-5 mils	No				
125	"K" Turbine Vib. Horiz.	8A		Flange of "K" Turbine Bearing Housing	Velocity P/U	0-5 mils	No				
3	Turbine Inlet Temp. 1	1B	1	Inst. Section 235-1	CA T/C	1332°F - 1532°F	No	4°F/Line			
51	Turbine Exit Temp. 7	2B	7	O.G.V. Inlet	CA T/C	1032°F - 1432°F	No	8°F/Line			
142	Boiler Vapor Drum Pressure	3B		Boiler Drum	Taylor Gage & Statham 10538	0-60 psig	No	3 - 15 psig			
171 172	Boiler Heat Exchanger ΔT	4B		Vapor Separator Heat Exchanger							
139	"K" Side Seal Pres. P-8	5B		"K" Side Seal Manifold	Taylor Gage & Statham 10537	0-50 psia	No	0-50 psia			
131	Oil Side Seal Pres. P-6	6B		Oil Sump at Bearing	Foxboro & Wiancko 70756	0-30 psig	No	3 - 15 psig			
86	RPM	7B	11	Steam Turbine	6 Tooth Gear & Magnetic P/U	0-25,000 rpm		0-2500 cps			
159	Station 1 Taylor Gage Vapor Static	8B	1	Downstream of VPL 11	Taylor Gage & Pace	0-30 psia	No	0-30 psia			
155	Boiler Feed Flow	1C		Boiler Input	EmFm	No Calibration	No	0-10 MV			
141	Argon Extraction Flow	2C		Downstream VPL-8	EmFm	See Curve	No	0-10MV			
81	Condenser Liquid Level	3C		Condenser	Ohmart Gage (Brown Indicator)	0-6 Inches	No	0-100%			
62	Vapor Static Pressure Station 8 Taylor Gage	4C	8	N-1	Taylor Gage & Statham 10538	0-20 psia		0-5 MV			

TABLE III

ENDURANCE TEST PERFORMANCE

104	Read	Reading number
105	Date	Date
106	Hour	Time of day
113	RPM	Rotative speed, rpm
120	QWB 88	Water brake torque, in-lb, test plan item 88
126	QST 87	Steam turbine torque, in-lb, test plan item 87
128	Q Tare	Tare Torque, in-lb
130	Q Net	Blading torque, in-lb
138	TEMFM	EM flowmeter temperature, °F
150	DENS	Fluid density of the potassium, lb/ft^3
164	T1-1	Inlet temperature, thermocouple #1
166	T1-2	Inlet temperature, thermocouple #2
170	T1-5	Inlet temperature, thermocouple #5
174	T1-avg	Inlet temperature, average, °F
196	T7-47	Exit temperature, thermocouple #1, test plan item 47
197	T7-48	Exit temperature, thermocouple #2, test plan item 48
198	T7-49	Exit temperature, thermocouple #3, test plan item 49
199	T7-50	Exit temperature, thermocouple #4, test plan item 50
202	T7-avg	Average exit temperature, °F
223	T8-52	Downstream temperature, °F, test plan item 52
224	T8-53	Downstream temperature, °F, test plan item 53
225	T8-54	Downstream temperature, °F, test plan item 54

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

Column		
226	T8-55	Downstream temperature, °F, test plan item 55
227	T8-56	Downstream temperature, °F, test plan item 56
229	T8-avg	Average downstream temperature, °F
254	T3-181	Station 3 temperature, °F, test plan item 181
255	T3-182	Station 3 temperature, °F, test plan item 182
256	T3-183	Station 3 temperature, °F, test plan item 183
257	T3-167	Station 3 temperature, °F, test plan item 167
258	T3-28	Station 4 temperature, °F, test plan item 28
259	T4-29	Station 4 temperature, °F, test plan item 29
262	T3-avg	Average station 3 temperature, °F
275	T5-186	Station 5 temperature, °F, test plan item 186
276	T5-187	Station 5 temperature, °F, test plan item 187
277	T5-188	Station 5 temperature, °F, test plan item 188
280	T5-avg	Average station 5 temperature, °F
285	TBO 166	Temperature out of the boiler, °F, test plan item 166
290	TKI 128	Temperature of potassium into seal, °F, test plan item 128
295	TKO 129	Temperature of potassium out of seal, °F, test plan item 129
298	TWB 116	Temperature of water into brake, °F, test plan item 116
301	TWB 117	Temperature of water out of brake, °F, test plan item 117
304	TLO 102	Temperature of lube oil out of seal, °F, test plan item 102
307	TLI 103	Temperature of lube oil in seal, °F, test plan item 103
310	TCO 149	Temperature of condensed liquid, °F, test plan item 149

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

Column		
313	TCA 122	Temperature in calorimeter, °F, test plan item 122
328	FLOW	Turbine weight flow, lb/sec
329	RTDNET	RTD network standard resistance
330	PST 185	Steam turbine inlet pressure, psia, test plan item 185
335	W FLOW	Water brake flow, gal/minute
340	QWBCAL	Water brake torque calculated by means of heat balance, in-lb
346	K FLOW	Potassium seal flow, gal/minute
347	P8PSIA	Downstream pressure, psia
351	P7PSIA	Exit pressure, psia
353	PSCAL	Calorimeter pressure, psia
357	P1PSIA	Inlet pressure, psia
373	X1	Inlet quality, calculated
385	QBETC	Blading torque calculated by means of heat balance, in-lb
388	Q COR	Blading torque corrected to standard inlet conditions, in-lb, of 18,250 rpm, inlet pressure 24.67, pressure ratio, 3.47
389	SCAN	Scan number

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

September 13 to September 17

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

ENDURANCE TEST PERFORMANCE

	104 READ	105 DATE	106 HOUR	113 RPM	120 QWB 88	126 QST 87
1	1.0000+00	9.1365+04	1.8300+03	1.8086+04	5.5428+02	1.1600+01
2	2.0000+00	9.1365+04	2.2300+03	1.8319+04	5.1548+02	1.0130+01
3	3.0000+00	9.1465+04	2.3000+02	1.8213+04	4.9712+02	8.4300+00
4	4.0000+00	9.1465+04	6.3000+02	1.8029+04	4.7996+02	7.8200+00
5	5.0000+00	9.1465+04	8.3000+02	1.8283+04	4.8020+02	6.4400+00
6	6.0000+00	9.1465+04	1.0300+03	1.8185+04	4.6188+02	9.7800+00
7	7.0000+00	9.1465+04	1.2300+03	1.8126+04	4.3772+02	9.1800+00
8	8.0000+00	9.1465+04	1.4300+03	1.8196+04	4.3396+02	6.5850+00
9	9.0000+00	9.1465+04	1.6300+03	1.8344+04	4.4264+02	9.2050+00
10	1.0000+01	9.1465+04	1.8300+03	1.8266+04	4.3404+02	7.7800+00
11	1.1000+01	9.1465+04	2.0300+03	1.8204+04	4.3228+02	6.6950+00
12	1.2000+01	9.1465+04	2.2300+03	1.8172+04	4.4012+02	6.7650+00
13	1.3000+01	9.1565+04	3.0000+01	1.8231+04	4.3804+02	8.6400+00
14	1.4000+01	9.1565+04	2.3000+02	1.8283+04	4.5624+02	6.6650+00
15	1.5000+01	9.1565+04	4.3000+02	1.8064+04	4.3472+02	5.4800+00
16	1.6000+01	9.1565+04	6.3000+02	1.8412+04	4.0316+02	6.0650+00
17	1.7000+01	9.1565+04	8.2400+02	1.8194+04	4.2516+02	5.9250+00
18	1.8000+01	9.1565+04	1.0300+03	1.8082+04	4.3680+02	3.7450+00
19	1.9000+01	9.1565+04	1.2250+03	1.8176+04	4.3380+02	5.0300+00
20	1.9000+01	9.1565+04	1.2250+03	1.8204+04	4.2968+02	4.4000+00
21	2.0000+01	9.1565+04	1.4290+03	1.8089+04	4.2896+02	6.5450+00
22	2.1000+01	9.1565+04	1.6300+03	1.7947+04	4.3816+02	7.2950+00
23	2.2000+01	9.1565+04	1.8300+03	1.8245+04	4.2112+02	8.1900+00
24	2.3000+01	9.1565+04	1.8300+03	1.8358+04	4.1992+02	7.4900+00
25	2.4000+01	9.1565+04	2.2300+03	1.8200+04	4.2924+02	8.2150+00
26	2.5000+01	9.1665+04	3.0000+01	1.8091+04	4.2860+02	3.2550+00
27	2.6000+01	9.1665+04	2.3000+02	1.8116+04	4.3716+02	1.0730+01
28	2.7000+01	9.1665+04	4.3000+02	1.8286+04	4.3048+02	8.3650+00
29	2.8000+01	9.1665+04	6.3000+02	1.8170+04	4.2700+02	1.1255+01
30	2.9000+01	9.1665+04	8.3000+02	1.8086+04	4.2832+02	8.9550+00
31	3.0000+01	9.1665+04	1.0250+03	1.8219+04	4.2708+02	1.2260+01
32	3.1000+01	9.1665+04	1.2310+03	1.8263+04	4.2692+02	1.2140+01
33	3.2000+01	9.1665+04	1.5020+03	1.8265+04	4.3828+02	1.2870+01
34	3.3000+01	9.1665+04	1.6300+03	1.8251+04	4.1432+02	8.8200+00
35	3.3000+01	9.1665+04	1.6300+03	1.8131+04	4.2312+02	8.7400+00
36	3.4000+01	9.1665+04	1.8250+03	1.8277+04	4.1528+02	9.4700+00
37	3.5000+01	9.1665+04	2.0300+03	1.8214+04	4.1940+02	7.9850+00
38	3.6000+01	9.1665+04	2.2300+03	1.8072+04	4.2448+02	8.7600+00
39	3.7000+01	9.1765+04	3.0000+01	1.8211+04	4.2840+02	9.2300+00
40	3.8000+01	9.1765+04	2.3000+02	1.8117+04	4.2876+02	9.1750+00

ENDURANCE TEST PERFORMANCE

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.5858+01	6.3854+02	1.4724+03	1.4842+03	1.5193+03	1.4783+03
2	9.7093+01	6.0244+02	1.4792+03	1.4917+03	1.5273+03	1.4854+03
3	9.6532+01	5.8522+02	1.4800+03	1.4930+03	1.5287+03	1.4865+03
4	9.5554+01	5.6769+02	1.4778+03	1.4910+03	1.5267+03	1.4844+03
5	9.6900+01	5.7066+02	1.4810+03	1.4950+03	1.5312+03	1.4880+03
6	9.6380+01	5.4848+02	1.4713+03	1.4845+03	1.5214+03	1.4779+03
7	9.6068+01	5.2461+02	1.4712+03	1.4848+03	1.5217+03	1.4780+03
8	9.6439+01	5.2381+02	1.4726+03	1.4862+03	1.5231+03	1.4794+03
9	9.7223+01	5.3066+02	1.4775+03	1.4917+03	1.5283+03	1.4846+03
10	9.6810+01	5.2307+02	1.4735+03	1.4876+03	1.5243+03	1.4806+03
11	9.6481+01	5.2207+02	1.4779+03	1.4925+03	1.5291+03	1.4852+03
12	9.6314+01	5.2967+02	1.4772+03	1.4914+03	1.5275+03	1.4843+03
13	9.6624+01	5.2602+02	1.4786+03	1.4933+03	1.5299+03	1.4859+03
14	9.6903+01	5.4648+02	1.4834+03	1.4985+03	1.5356+03	1.4910+03
15	9.5742+01	5.2498+02	1.4799+03	1.4955+03	1.5318+03	1.4877+03
16	9.7584+01	4.9468+02	1.4724+03	1.4878+03	1.5246+03	1.4801+03
17	9.6431+01	5.1567+02	1.4782+03	1.4942+03	1.5313+03	1.4862+03
18	9.5835+01	5.2889+02	1.4758+03	1.4917+03	1.5287+03	1.4837+03
19	9.6335+01	5.2511+02	1.4797+03	1.4957+03	1.5324+03	1.4877+03
20	9.6484+01	5.2176+02	1.4792+03	1.4948+03	1.5319+03	1.4870+03
21	9.5874+01	5.1829+02	1.4773+03	1.4937+03	1.5308+03	1.4855+03
22	9.5122+01	5.2599+02	1.4764+03	1.4928+03	1.5303+03	1.4846+03
23	9.6698+01	5.0963+02	1.4738+03	1.4902+03	1.5272+03	1.4820+03
24	9.7297+01	5.0973+02	1.4777+03	1.4945+03	1.5320+03	1.4861+03
25	9.6460+01	5.1748+02	1.4815+03	1.4983+03	1.5363+03	1.4899+03
26	9.5885+01	5.2123+02	1.4808+03	1.4976+03	1.5355+03	1.4892+03
27	9.6015+01	5.2244+02	1.4798+03	1.4974+03	1.5348+03	1.4886+03
28	9.6918+01	5.1903+02	1.4795+03	1.4968+03	1.5346+03	1.4882+03
29	9.6301+01	5.1205+02	1.4796+03	1.4969+03	1.5347+03	1.4882+03
30	9.5856+01	5.1522+02	1.4782+03	1.4959+03	1.5331+03	1.4871+03
31	9.6563+01	5.1138+02	1.4728+03	1.4909+03	1.5284+03	1.4818+03
32	9.6794+01	5.1157+02	1.4765+03	1.4946+03	1.5322+03	1.4856+03
33	9.6804+01	5.2221+02	1.4783+03	1.4963+03	1.5345+03	1.4873+03
34	9.6733+01	5.0223+02	1.4748+03	1.4934+03	1.5309+03	1.4841+03
35	9.6094+01	5.1047+02	1.4760+03	1.4945+03	1.5321+03	1.4853+03
36	9.6871+01	5.0268+02	1.4750+03	1.4932+03	1.5311+03	1.4841+03
37	9.6534+01	5.0795+02	1.4755+03	1.4945+03	1.5321+03	1.4850+03
38	9.5784+01	5.1150+02	1.4788+03	1.4981+03	1.5360+03	1.4885+03
39	9.6521+01	5.1569+02	1.4795+03	1.4988+03	1.5373+03	1.4892+03
40	9.6023+01	5.1561+02	1.4797+03	1.4991+03	1.5375+03	1.4894+03

ENDURANCE TEST PERFORMANCE

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2244+03	1.2352+03	1.2580+03	1.2324+03	1.2338+03	1.2432+03
2	1.2271+03	1.2379+03	1.2607+03	1.2338+03	1.2359+03	1.2465+03
3	1.2329+03	1.2433+03	1.2663+03	1.2408+03	1.2421+03	1.2523+03
4	1.2309+03	1.2411+03	1.2635+03	1.2386+03	1.2399+03	1.2501+03
5	1.2300+03	1.2407+03	1.2643+03	1.2381+03	1.2394+03	1.2497+03
6	1.2189+03	1.2297+03	1.2528+03	1.2260+03	1.2278+03	1.2379+03
7	1.2301+03	1.2403+03	1.2627+03	1.2387+03	1.2395+03	1.2489+03
8	1.2279+03	1.2392+03	1.2611+03	1.2363+03	1.2377+03	1.2469+03
9	1.2334+03	1.2438+03	1.2668+03	1.2417+03	1.2427+03	1.2524+03
10	1.2246+03	1.2354+03	1.2582+03	1.2326+03	1.2340+03	1.2434+03
11	1.2338+03	1.2433+03	1.2663+03	1.2412+03	1.2423+03	1.2523+03
12	1.2202+03	1.2311+03	1.2547+03	1.2274+03	1.2292+03	1.2392+03
13	1.2287+03	1.2390+03	1.2622+03	1.2361+03	1.2376+03	1.2476+03
14	1.2302+03	1.2409+03	1.2646+03	1.2380+03	1.2395+03	1.2495+03
15	1.2310+03	1.2412+03	1.2645+03	1.2387+03	1.2400+03	1.2502+03
16	1.2286+03	1.2386+03	1.2618+03	1.2361+03	1.2373+03	1.2472+03
17	1.2305+03	1.2403+03	1.2635+03	1.2378+03	1.2391+03	1.2494+03
18	1.2197+03	1.2305+03	1.2549+03	1.2264+03	1.2284+03	1.2382+03
19	1.2321+03	1.2418+03	1.2660+03	1.2393+03	1.2405+03	1.2508+03
20	1.2316+03	1.2413+03	1.2655+03	1.2388+03	1.2401+03	1.2499+03
21	1.2232+03	1.2339+03	1.2581+03	1.2297+03	1.2318+03	1.2419+03
22	1.2236+03	1.2339+03	1.2581+03	1.2301+03	1.2320+03	1.2414+03
23	1.2183+03	1.2287+03	1.2535+03	1.2246+03	1.2267+03	1.2369+03
24	1.2219+03	1.2325+03	1.2568+03	1.2283+03	1.2304+03	1.2405+03
25	1.2291+03	1.2399+03	1.2635+03	1.2362+03	1.2380+03	1.2485+03
26	1.2255+03	1.2363+03	1.2603+03	1.2326+03	1.2344+03	1.2443+03
27	1.2274+03	1.2382+03	1.2622+03	1.2349+03	1.2365+03	1.2468+03
28	1.2226+03	1.2332+03	1.2578+03	1.2290+03	1.2311+03	1.2416+03
29	1.2268+03	1.2372+03	1.2612+03	1.2339+03	1.2355+03	1.2458+03
30	1.2266+03	1.2370+03	1.2611+03	1.2341+03	1.2356+03	1.2456+03
31	1.2154+03	1.2265+03	1.2511+03	1.2220+03	1.2242+03	1.2346+03
32	1.2204+03	1.2308+03	1.2552+03	1.2267+03	1.2288+03	1.2386+03
33	1.2200+03	1.2304+03	1.2553+03	1.2259+03	1.2282+03	1.2382+03
34	1.2200+03	1.2308+03	1.2553+03	1.2267+03	1.2288+03	1.2386+03
35	1.2203+03	1.2307+03	1.2555+03	1.2270+03	1.2288+03	1.2393+03
36	1.2190+03	1.2294+03	1.2542+03	1.2257+03	1.2275+03	1.2375+03
37	1.2207+03	1.2311+03	1.2555+03	1.2266+03	1.2288+03	1.2392+03
38	1.2312+03	1.2413+03	1.2655+03	1.2388+03	1.2401+03	1.2504+03
39	1.2333+03	1.2425+03	1.2668+03	1.2404+03	1.2414+03	1.2519+03
40	1.2344+03	1.2439+03	1.2683+03	1.2418+03	1.2429+03	1.2529+03

ENDURANCE TEST PERFORMANCE

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2538+03	1.2515+03	1.2517+03	1.4964+03	1.4956+03	1.4851+03
2	1.2568+03	1.2549+03	1.2547+03	1.5044+03	1.5033+03	1.4930+03
3	1.2627+03	1.2607+03	1.2604+03	1.5062+03	1.5049+03	1.4943+03
4	1.2604+03	1.2589+03	1.2584+03	1.5047+03	1.5036+03	1.4928+03
5	1.2604+03	1.2584+03	1.2579+03	1.5087+03	1.5074+03	1.4967+03
6	1.2486+03	1.2466+03	1.2463+03	1.4989+03	1.4981+03	1.4867+03
7	1.2593+03	1.2577+03	1.2573+03	1.4993+03	1.4980+03	1.4870+03
8	1.2577+03	1.2557+03	1.2554+03	1.5011+03	1.5003+03	1.4893+03
9	1.2631+03	1.2612+03	1.2608+03	1.5062+03	1.5054+03	1.4944+03
10	1.2536+03	1.2522+03	1.2517+03	1.5019+03	1.5012+03	1.4903+03
11	1.2627+03	1.2611+03	1.2606+03	1.5066+03	1.5058+03	1.4952+03
12	1.2495+03	1.2480+03	1.2475+03	1.5054+03	1.5051+03	1.4940+03
13	1.2580+03	1.2564+03	1.2560+03	1.5078+03	1.5070+03	1.4964+03
14	1.2602+03	1.2587+03	1.2580+03	1.5133+03	1.5125+03	1.5012+03
15	1.2606+03	1.2590+03	1.2586+03	1.5098+03	1.5090+03	1.4977+03
16	1.2575+03	1.2555+03	1.2554+03	1.5026+03	1.5018+03	1.4905+03
17	1.2597+03	1.2577+03	1.2566+03	1.5088+03	1.5080+03	1.4968+03
18	1.2490+03	1.2474+03	1.2468+03	1.5062+03	1.5054+03	1.4944+03
19	1.2611+03	1.2592+03	1.2590+03	1.5104+03	1.5100+03	1.4983+03
20	1.2607+03	1.2587+03	1.2583+03	1.5099+03	1.5091+03	1.4978+03
21	1.2517+03	1.2507+03	1.2500+03	1.5087+03	1.5074+03	1.4963+03
22	1.2521+03	1.2506+03	1.2500+03	1.5082+03	1.5074+03	1.4963+03
23	1.2476+03	1.2457+03	1.2452+03	1.5056+03	1.5048+03	1.4933+03
24	1.2512+03	1.2497+03	1.2490+03	1.5100+03	1.5092+03	1.4979+03
25	1.2588+03	1.2573+03	1.2569+03	1.5139+03	1.5136+03	1.5019+03
26	1.2545+03	1.2531+03	1.2527+03	1.5132+03	1.5124+03	1.5006+03
27	1.2570+03	1.2555+03	1.2549+03	1.5126+03	1.5123+03	1.5005+03
28	1.2518+03	1.2504+03	1.2499+03	1.5128+03	1.5120+03	1.5002+03
29	1.2560+03	1.2545+03	1.2539+03	1.5124+03	1.5117+03	1.4999+03
30	1.2558+03	1.2544+03	1.2538+03	1.5110+03	1.5107+03	1.4989+03
31	1.2449+03	1.2434+03	1.2427+03	1.5063+03	1.5055+03	1.4936+03
32	1.2493+03	1.2477+03	1.2469+03	1.5106+03	1.5098+03	1.4981+03
33	1.2489+03	1.2474+03	1.2465+03	1.5123+03	1.5120+03	1.4998+03
34	1.2493+03	1.2473+03	1.2468+03	1.5093+03	1.5084+03	1.4968+03
35	1.2496+03	1.2481+03	1.2474+03	1.5100+03	1.5092+03	1.4975+03
36	1.2478+03	1.2463+03	1.2457+03	1.5095+03	1.5091+03	1.4971+03
37	1.2495+03	1.2476+03	1.2474+03	1.5105+03	1.5096+03	1.4975+03
38	1.2607+03	1.2591+03	1.2586+03	1.5137+03	1.5134+03	1.5012+03
39	1.2618+03	1.2607+03	1.2600+03	1.5148+03	1.5145+03	1.5024+03
40	1.2633+03	1.2617+03	1.2613+03	1.5150+03	1.5147+03	1.5027+03

ENDURANCE TEST PERFORMANCE

	258	259	262	275	276	280
	T4-28	T4-29	T3-AVG	T5-186	T5-187	T5-AVG
1	1.4279+03	1.4240+03	1.4924+03	1.3841+03	1.3819+03	1.3845+03
2	1.4346+03	1.4313+03	1.5002+03	1.3906+03	1.3881+03	1.3907+03
3	1.4363+03	1.4325+03	1.5018+03	1.3918+03	1.3897+03	1.3923+03
4	1.4344+03	1.4306+03	1.5004+03	1.3904+03	1.3879+03	1.3904+03
5	1.4378+03	1.4344+03	1.5043+03	1.3946+03	1.3920+03	1.3944+03
6	1.4289+03	1.4251+03	1.4946+03	1.3856+03	1.3831+03	1.3853+03
7	1.4292+03	1.4258+03	1.4948+03	1.3868+03	1.3843+03	1.3865+03
8	1.4310+03	1.4276+03	1.4969+03	1.3872+03	1.3852+03	1.3872+03
9	1.4360+03	1.4321+03	1.5020+03	1.3923+03	1.3910+03	1.3926+03
10	1.4323+03	1.4285+03	1.4978+03	1.3885+03	1.3872+03	1.3888+03
11	1.4363+03	1.4329+03	1.5025+03	1.3930+03	1.3918+03	1.3934+03
12	1.4352+03	1.4314+03	1.5015+03	1.3916+03	1.3903+03	1.3916+03
13	1.4375+03	1.4336+03	1.5037+03	1.3942+03	1.3933+03	1.3944+03
14	1.4424+03	1.4390+03	1.5090+03	1.3985+03	1.3989+03	1.3992+03
15	1.4392+03	1.4358+03	1.5055+03	1.3957+03	1.3957+03	1.3962+03
16	1.4326+03	1.4288+03	1.4983+03	1.3895+03	1.3900+03	1.3902+03
17	1.4379+03	1.4345+03	1.5045+03	1.3952+03	1.3952+03	1.3955+03
18	1.4351+03	1.4313+03	1.5020+03	1.3922+03	1.3922+03	1.3925+03
19	1.4390+03	1.4351+03	1.5062+03	1.3963+03	1.3968+03	1.3969+03
20	1.4385+03	1.4347+03	1.5056+03	1.3958+03	1.3963+03	1.3964+03
21	1.4374+03	1.4336+03	1.5042+03	1.3942+03	1.3947+03	1.3947+03
22	1.4370+03	1.4336+03	1.5040+03	1.3937+03	1.3933+03	1.3939+03
23	1.4349+03	1.4316+03	1.5012+03	1.3909+03	1.3917+03	1.3917+03
24	1.4390+03	1.4352+03	1.5057+03	1.3950+03	1.3960+03	1.3958+03
25	1.4426+03	1.4392+03	1.5098+03	1.3992+03	1.3996+03	1.3996+03
26	1.4418+03	1.4380+03	1.5088+03	1.3976+03	1.3984+03	1.3983+03
27	1.4412+03	1.4374+03	1.5084+03	1.3974+03	1.3987+03	1.3984+03
28	1.4409+03	1.4371+03	1.5083+03	1.3976+03	1.3976+03	1.3979+03
29	1.4406+03	1.4367+03	1.5080+03	1.3972+03	1.3976+03	1.3979+03
30	1.4400+03	1.4357+03	1.5069+03	1.3961+03	1.3961+03	1.3966+03
31	1.4348+03	1.4310+03	1.5018+03	1.3911+03	1.3915+03	1.3918+03
32	1.4387+03	1.4349+03	1.5061+03	1.3948+03	1.3952+03	1.3954+03
33	1.4404+03	1.4366+03	1.5080+03	1.3966+03	1.3971+03	1.3972+03
34	1.4379+03	1.4337+03	1.5048+03	1.3934+03	1.3939+03	1.3942+03
35	1.4386+03	1.4344+03	1.5056+03	1.3942+03	1.3951+03	1.3951+03
36	1.4382+03	1.4343+03	1.5052+03	1.3941+03	1.3946+03	1.3947+03
37	1.4394+03	1.4356+03	1.5059+03	1.3946+03	1.3951+03	1.3952+03
38	1.4424+03	1.4386+03	1.5094+03	1.3985+03	1.3994+03	1.3992+03
39	1.4436+03	1.4393+03	1.5106+03	1.3988+03	1.4001+03	1.3999+03
40	1.4443+03	1.4400+03	1.5108+03	1.3999+03	1.4007+03	1.4006+03

ENDURANCE TEST PERFORMANCE

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
1	1.4639+03	6.9562+01	2.0335+02	2.0001+02	1.2774+02	1.2925+03
2	1.4696+03	6.6619+01	1.8607+02	2.0148+02	1.2980+02	1.2940+03
3	1.4709+03	6.7064+01	1.8564+02	2.0570+02	1.3023+02	1.2975+03
4	1.4678+03	6.6453+01	1.8236+02	2.0217+02	1.2691+02	1.2938+03
5	1.4783+03	6.8225+01	1.8629+02	2.0254+02	1.3046+02	1.2991+03
6	1.4688+03	6.7562+01	1.8074+02	2.0529+02	1.3068+02	1.2890+03
7	1.4699+03	6.8343+01	1.7806+02	2.0698+02	1.3181+02	1.2956+03
8	1.4675+03	6.9317+01	1.8114+02	2.0614+02	1.3021+02	1.2919+03
9	1.4727+03	6.8932+01	1.8610+02	2.0621+02	1.3194+02	1.2985+03
10	1.4671+03	6.7974+01	1.8388+02	2.0570+02	1.2979+02	1.2902+03
11	1.4722+03	6.8416+01	1.8563+02	2.0614+02	1.2978+02	1.2710+03
12	1.4706+03	6.8141+01	1.8871+02	2.0632+02	1.2951+02	1.2600+03
13	1.4734+03	6.9184+01	1.8925+02	2.0782+02	1.3092+02	1.2676+03
14	1.4881+03	6.7601+01	1.9169+02	2.0760+02	1.3155+02	1.2920+03
15	1.4811+03	6.7955+01	1.8854+02	2.0705+02	1.3104+02	1.2970+03
16	1.4702+03	6.6846+01	1.8366+02	2.0548+02	1.2639+02	1.2964+03
17	1.4806+03	6.6972+01	1.8806+02	2.0472+02	1.2788+02	1.2988+03
18	1.4790+03	6.7089+01	1.8858+02	2.0317+02	1.2891+02	1.2944+03
19	1.4842+03	6.7200+01	1.8910+02	1.9952+02	1.2720+02	1.3037+03
20	1.4833+03	6.6702+01	1.8906+02	1.9906+02	1.2670+02	1.3036+03
21	1.4779+03	6.8253+01	1.8965+02	1.9965+02	1.2825+02	1.2930+03
22	1.4779+03	6.7772+01	1.8921+02	1.9962+02	1.2868+02	1.2938+03
23	1.4725+03	6.6488+01	1.8845+02	2.0220+02	1.2649+02	1.2893+03
24	1.4760+03	6.7719+01	1.9181+02	2.0499+02	1.2726+02	1.2933+03
25	1.4793+03	6.8304+01	1.9376+02	2.0386+02	1.2603+02	1.2974+03
26	1.4828+03	6.7061+01	1.9070+02	2.0397+02	1.2706+02	1.2962+03
27	1.4822+03	6.6865+01	1.9323+02	2.0296+02	1.2641+02	1.2925+03
28	1.4824+03	6.6146+01	1.9024+02	2.0397+02	1.2569+02	1.2794+03
29	1.4829+03	6.6683+01	1.8988+02	2.0404+02	1.2668+02	1.2907+03
30	1.4793+03	6.6063+01	1.8681+02	2.0181+02	1.2652+02	1.2851+03
31	1.4778+03	6.5864+01	1.8662+02	2.0204+02	1.2677+02	1.2725+03
32	1.4806+03	6.6965+01	1.8722+02	2.0347+02	1.2742+02	1.2824+03
33	1.4840+03	6.6109+01	1.9111+02	2.0310+02	1.2656+02	1.2807+03
34	1.4807+03	6.6072+01	1.8723+02	2.0348+02	1.2698+02	1.2881+03
35	1.4818+03	6.7295+01	1.8919+02	2.0377+02	1.2820+02	1.2875+03
36	1.4778+03	6.6778+01	1.8746+02	2.0371+02	1.2723+02	1.2679+03
37	1.4769+03	6.6362+01	1.8791+02	2.0208+02	1.2591+02	1.2875+03
38	1.4854+03	6.6251+01	1.8906+02	2.0281+02	1.2716+02	1.2976+03
39	1.4832+03	6.5670+01	1.8895+02	2.0311+02	1.2612+02	1.3002+03
40	1.4873+03	6.5453+01	1.8875+02	2.0375+02	1.2682+02	1.3025+03

ENDURANCE TEST PERFORMANCE

	328 FLOW	329 RTDNET	330 PST185	390 QHB	335 W FLOW	340 QWBCAL
1	2.0970+00	5.6070+03	2.4320+01	4.9957+00	5.9957+00	5.6331+02
2	2.0865+00	5.6060+03	2.4400+01	5.6366+00	6.6366+00	5.4970+02
3	2.0002+00	5.6020+03	2.3260+01	5.6747+00	6.6747+00	5.5201+02
4	2.0689+00	5.6050+03	2.2660+01	5.5681+00	6.5681+00	5.3649+02
5	1.9851+00	5.6240+03	2.2860+01	5.6747+00	6.6747+00	5.4756+02
6	1.9584+00	5.6020+03	2.4820+01	5.7432+00	6.7432+00	5.3325+02
7	1.7934+00	5.5980+03	2.4500+01	5.7204+00	6.7204+00	5.1697+02
8	1.8898+00	5.6040+03	2.2820+01	5.4309+00	6.4309+00	5.0225+02
9	2.0261+00	5.6100+03	2.4540+01	5.7051+00	6.7051+00	5.4410+02
10	1.9419+00	5.6060+03	2.4280+01	5.6671+00	6.6671+00	5.3751+02
11	1.9312+00	5.6100+03	2.3580+01	5.5985+00	6.5985+00	5.3980+02
12	2.0412+00	5.5960+03	2.4020+01	5.4461+00	6.4461+00	5.4335+02
13	2.0008+00	5.6040+03	2.4380+01	5.6671+00	6.6671+00	5.5774+02
14	1.9470+00	5.6080+03	2.4000+01	5.6366+00	6.6366+00	5.7206+02
15	2.1954+00	5.5940+03	2.3180+01	5.6975+00	6.6975+00	5.6783+02
16	2.0481+00	5.6030+03	2.3480+01	5.4080+00	6.4080+00	5.1668+02
17	1.9853+00	5.6000+03	2.3660+01	5.6138+00	6.6138+00	5.5908+02
18	1.9721+00	5.6050+03	2.1920+01	5.4537+00	6.4537+00	5.5084+02
19	2.1006+00	5.6020+03	2.2300+01	5.3546+00	6.3546+00	5.4143+02
20	2.0545+00	5.5990+03	2.2060+01	5.6899+00	6.6899+00	5.7107+02
21	2.0036+00	5.6030+03	2.2980+01	5.7051+00	6.7051+00	5.7148+02
22	2.0033+00	5.6000+03	2.3480+01	5.7280+00	6.7280+00	5.7811+02
23	2.0165+00	5.5970+03	2.3900+01	5.4766+00	6.4766+00	5.4996+02
24	2.0370+00	5.6030+03	2.3600+01	5.6823+00	6.6823+00	5.7365+02
25	2.0226+00	5.6060+03	2.3240+01	5.6671+00	6.6671+00	5.8360+02
26	2.0756+00	5.6040+03	2.1200+01	5.7280+00	6.7280+00	5.8387+02
27	2.0867+00	5.6140+03	2.5660+01	5.6518+00	6.6518+00	5.8917+02
28	2.1015+00	5.6000+03	2.4900+01	5.8193+00	6.8193+00	5.8762+02
29	2.1152+00	5.5980+03	2.5580+01	5.8117+00	6.8117+00	5.8646+02
30	2.0517+00	5.5970+03	2.4860+01	5.8953+00	6.8953+00	5.8457+02
31	2.0306+00	5.6040+03	2.7580+01	5.8269+00	6.8269+00	5.7467+02
32	1.9678+00	5.5990+03	2.7380+01	5.9865+00	6.9865+00	5.8418+02
33	2.0500+00	5.6010+03	2.7960+01	5.7584+00	6.7584+00	5.8733+02
34	1.9484+00	5.6050+03	2.5380+01	5.8345+00	6.8345+00	5.7619+02
35	1.9790+00	5.6030+03	2.5180+01	5.6442+00	6.6442+00	5.6733+02
36	2.0484+00	5.5990+03	2.5700+01	5.7280+00	6.7280+00	5.6425+02
37	2.1340+00	5.6210+03	2.4500+01	5.8193+00	6.8193+00	5.7794+02
38	2.0580+00	5.6060+03	2.5180+01	5.7888+00	6.7888+00	5.8583+02
39	2.0723+00	5.6090+03	2.5180+01	5.7051+00	6.7051+00	5.7642+02
40	2.0639+00	5.5750+03	2.5780+01	5.7888+00	6.7888+00	5.8667+02

ENDURANCE TEST PERFORMANCE

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
1	5.4600+00	5.6922+00	6.7615+00	2.3616+01	9.9502-01	6.4757+02
2	5.7200+00	5.6922+00	7.0241+00	2.4730+01	9.9373-01	6.3667+02
3	5.8400+00	5.9970+00	7.3102+00	2.4962+01	9.9334-01	6.4011+02
4	5.6700+00	5.8939+00	7.2024+00	2.4725+01	9.9294-01	6.2423+02
5	5.5400+00	5.7578+00	7.1273+00	2.4929+01	9.9454-01	6.3802+02
6	5.1300+00	5.3311+00	6.6677+00	2.3933+01	9.9438-01	6.1985+02
7	5.4900+00	5.7156+00	6.8834+00	2.3782+01	9.9521-01	6.0386+02
8	5.5000+00	5.6406+00	6.7240+00	2.3910+01	9.9487-01	5.9210+02
9	5.7700+00	5.9783+00	7.0664+00	2.4715+01	9.9472-01	6.3212+02
10	5.4700+00	5.6594+00	6.7756+00	2.4222+01	9.9408-01	6.2654+02
11	5.7900+00	6.0205+00	7.2258+00	2.4848+01	9.8682-01	6.2958+02
12	5.5600+00	5.5984+00	6.8834+00	2.4886+01	9.8554-01	6.3289+02
13	5.7800+00	5.8798+00	7.1930+00	2.5114+01	9.8594-01	6.4572+02
14	5.8300+00	5.8798+00	7.1742+00	2.5706+01	9.9211-01	6.6230+02
15	5.8000+00	5.9454+00	7.4556+00	2.5450+01	9.9238-01	6.5809+02
16	5.7700+00	5.9361+00	7.2024+00	2.4730+01	9.9361-01	6.0819+02
17	5.7700+00	5.9595+00	7.2540+00	2.5355+01	9.9372-01	6.4958+02
18	5.3600+00	5.5233+00	6.7990+00	2.4881+01	9.9472-01	6.4293+02
19	5.8300+00	5.9783+00	7.2258+00	2.5526+01	9.9504-01	6.3273+02
20	5.8100+00	5.9454+00	7.2352+00	2.5531+01	9.9499-01	6.6316+02
21	5.4600+00	5.6218+00	6.8365+00	2.5090+01	9.9409-01	6.6081+02
22	5.6000+00	5.5749+00	6.6020+00	2.5023+01	9.9532-01	6.6594+02
23	5.4400+00	5.4624+00	6.5645+00	2.4933+01	9.9439-01	6.3847+02
24	5.6100+00	5.5890+00	6.7803+00	2.5317+01	9.9431-01	6.6346+02
25	5.8100+00	5.8751+00	7.1367+00	2.5730+01	9.9367-01	6.7184+02
26	5.5500+00	5.7016+00	7.0851+00	2.5630+01	9.9361-01	6.7650+02
27	5.6200+00	5.7719+00	7.1789+00	2.5701+01	9.9224-01	6.7445+02
28	5.4400+00	5.6406+00	7.0476+00	2.5682+01	9.8940-01	6.7617+02
29	5.5800+00	5.7438+00	7.1414+00	2.5583+01	9.9198-01	6.7150+02
30	5.5600+00	5.6922+00	7.0335+00	2.5407+01	9.9108-01	6.7147+02
31	5.1800+00	5.3217+00	6.5598+00	2.4858+01	9.9023-01	6.5897+02
32	5.3000+00	5.4108+00	6.7099+00	2.5303+01	9.9185-01	6.6883+02
33	5.2600+00	5.4624+00	6.8506+00	2.5625+01	9.9063-01	6.7126+02
34	5.2300+00	5.4577+00	6.8553+00	2.5151+01	9.9273-01	6.6410+02
35	5.2000+00	5.4530+00	6.8459+00	2.5142+01	9.9263-01	6.5468+02
36	5.1400+00	5.3498+00	6.7662+00	2.5019+01	9.8805-01	6.5165+02
37	5.3200+00	5.4811+00	6.8365+00	2.5279+01	9.9260-01	6.6649+02
38	5.6300+00	5.8470+00	7.2352+00	2.5697+01	9.9333-01	6.7286+02
39	5.6400+00	5.9454+00	7.4134+00	2.5929+01	9.9317-01	6.6371+02
40	5.6000+00	5.9220+00	7.3618+00	2.5810+01	9.9404-01	6.7352+02

ENDURANCE TEST PERFORMANCE

	388 Q COR	389 SCAN	550	551	552	556
1	6.8492+02	1.0000+00	1.0000+00	9.1365+04	1.8300+03	4.7684-07
2	6.4557+02	1.0000+00	2.0000+00	9.1365+04	2.2300+03	4.0000+00
3	6.4569+02	1.0000+00	3.0000+00	9.1465+04	2.3000+02	8.0000+00
4	6.3048+02	1.0000+00	4.0000+00	9.1465+04	6.3000+02	1.2000+01
5	6.4226+02	1.0000+00	5.0000+00	9.1465+04	8.3000+02	1.4000+01
6	6.4402+02	1.0000+00	6.0000+00	9.1465+04	1.0300+03	1.6000+01
7	6.4202+02	1.0000+00	7.0000+00	9.1465+04	1.2300+03	1.8000+01
8	6.2536+02	1.0000+00	8.0000+00	9.1465+04	1.4300+03	2.0000+01
9	6.4989+02	1.0000+00	9.0000+00	9.1465+04	1.6300+03	2.2000+01
10	6.4966+02	1.0000+00	1.0000+01	9.1465+04	1.8300+03	2.4000+01
11	6.3918+02	1.0000+00	1.1000+01	9.1465+04	2.0300+03	2.6000+01
12	6.2742+02	1.0000+00	1.2000+01	9.1465+04	2.2300+03	2.8000+01
13	6.4373+02	1.0000+00	1.3000+01	9.1565+04	3.0000+01	3.0000+01
14	6.4364+02	1.0000+00	1.4000+01	9.1565+04	2.3000+02	3.2000+01
15	6.4369+02	1.0000+00	1.5000+01	9.1565+04	4.3000+02	3.4000+01
16	6.2602+02	1.0000+00	1.6000+01	9.1565+04	6.3000+02	3.6000+01
17	6.4176+02	1.0000+00	1.7000+01	9.1565+04	8.2400+02	3.7900+01
18	6.3474+02	1.0000+00	1.8000+01	9.1565+04	1.0300+03	4.0000+01
19	6.2095+02	1.0000+00	1.9000+01	9.1565+04	1.2250+03	4.1917+01
20	6.5112+02	2.0000+00	1.9000+01	9.1565+04	1.2250+03	4.1917+01
21	6.4922+02	1.0000+00	2.0000+01	9.1565+04	1.4290+03	4.3983+01
22	6.5327+02	1.0000+00	2.1000+01	9.1565+04	1.6300+03	4.6000+01
23	6.3309+02	1.0000+00	2.2000+01	9.1565+04	1.8300+03	4.8000+01
24	6.5111+02	1.0000+00	2.3000+01	9.1565+04	1.8300+03	4.8000+01
25	6.4936+02	1.0000+00	2.4000+01	9.1565+04	2.2300+03	5.2000+01
26	6.5004+02	1.0000+00	2.5000+01	9.1665+04	3.0000+01	5.4000+01
27	6.4987+02	1.0000+00	2.6000+01	9.1665+04	2.3000+02	5.6000+01
28	6.5094+02	1.0000+00	2.7000+01	9.1665+04	4.3000+02	5.8000+01
29	6.5074+02	1.0000+00	2.8000+01	9.1665+04	6.3000+02	6.0000+01
30	6.5410+02	1.0000+00	2.9000+01	9.1665+04	8.3000+02	6.2000+01
31	6.5208+02	1.0000+00	3.0000+01	9.1665+04	1.0250+03	6.3917+01
32	6.5280+02	1.0000+00	3.1000+01	9.1665+04	1.2310+03	6.6017+01
33	6.4465+02	1.0000+00	3.2000+01	9.1665+04	1.5020+03	6.8533+01
34	6.5329+02	1.0000+00	3.3000+01	9.1665+04	1.6300+03	7.0000+01
35	6.3993+02	2.0000+00	3.3000+01	9.1665+04	1.6300+03	7.0000+01
36	6.4377+02	1.0000+00	3.4000+01	9.1665+04	1.8250+03	7.1917+01
37	6.5047+02	1.0000+00	3.5000+01	9.1665+04	2.0300+03	7.4000+01
38	6.5140+02	1.0000+00	3.6000+01	9.1665+04	2.2300+03	7.6000+01
39	6.4144+02	1.0000+00	3.7000+01	9.1765+04	3.0000+01	7.8000+01
40	6.5244+02	1.0000+00	3.8000+01	9.1765+04	2.3000+02	8.0000+01

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

September 17 to September 20

ENDURANCE TEST PERFORMANCE

	104 READ	105 DATE	106 HOUR	113 RPM	120 QWB 88	126 QST 87
41	3.9000+01	9.1765+04	4.3000+02	1.8075+04	4.3868+02	1.0045+01
42	4.0000+01	9.1765+04	6.3000+02	1.8234+04	4.2828+02	7.6400+00
43	4.1000+01	9.1765+04	9.2900+02	1.8152+04	4.3408+02	7.2950+00
44	4.2000+01	9.1765+04	1.0330+03	1.8075+04	4.0736+02	5.4650+00
45	4.3000+01	9.1765+04	1.2320+03	1.8247+04	3.9784+02	5.9700+00
46	4.4000+01	9.1765+04	1.4300+03	1.8170+04	3.7188+02	6.1650+00
47	4.4000+01	9.1765+04	1.4300+03	1.8223+04	4.0080+02	5.7700+00
48	4.5000+01	9.1765+04	1.6300+03	1.8339+04	3.8708+02	6.7250+00
49	4.6000+01	9.1765+04	1.8300+03	1.8140+04	3.9972+02	1.1250+01
50	4.7000+01	9.1765+04	1.8300+03	1.8175+04	4.3032+02	1.1675+01
51	4.8000+01	9.1765+04	2.2250+03	1.8344+04	4.3068+02	9.5900+00
52	4.9000+01	9.1865+04	3.0000+01	1.8148+04	4.3908+02	9.2250+00
53	5.0000+01	9.1865+04	2.3000+02	1.8116+04	4.4680+02	1.1765+01
54	5.0000+01	9.1865+04	2.3000+02	1.8265+04	4.4928+02	1.2160+01
55	5.1000+01	9.1865+04	4.3000+02	1.8083+04	4.5184+02	1.2020+01
56	5.2000+01	9.1865+04	6.3000+02	1.8057+04	4.5556+02	1.4590+01
57	5.3000+01	9.1865+04	8.3000+02	1.8431+04	4.2804+02	1.1680+01
58	5.4000+01	9.1865+04	1.0300+03	1.8133+04	4.3592+02	1.2860+01
59	5.5000+01	9.1865+04	1.2300+03	1.8296+04	4.2184+02	1.1190+01
60	5.6000+01	9.1865+04	1.4300+03	1.8151+04	4.1720+02	1.0310+01
61	5.7000+01	9.1865+04	1.6400+03	1.8078+04	4.1784+02	8.7650+00
62	5.8000+01	9.1865+04	1.8300+03	1.8132+04	4.2124+02	6.6450+00
63	5.9000+01	9.1865+04	2.0300+03	1.8107+04	4.3304+02	9.0600+00
64	6.0000+01	9.1865+04	2.2300+03	1.8367+04	1.5996+02	9.9900+00
65	6.1000+01	9.1965+04	3.0000+01	1.8197+04	4.3384+02	6.8000+00
66	6.2000+01	9.1965+04	2.3000+02	1.8183+04	4.4072+02	8.4800+00
67	6.3000+01	9.1965+04	4.3000+02	1.8190+04	4.4272+02	7.3300+00
68	6.4000+01	9.1965+04	6.3000+02	1.8079+04	4.4168+02	1.0550+01
69	6.5000+01	9.1965+04	8.3100+02	1.8143+04	4.3744+02	1.0335+01
70	6.5000+01	9.1965+04	9.2100+02	1.8118+04	4.2384+02	9.4150+00
71	6.6000+01	9.1965+04	1.0340+03	1.8151+04	1.5932+02	1.0240+01
72	6.7000+01	9.1965+04	1.2300+03	1.8085+04	4.2336+02	1.0500+01
73	6.8000+01	9.1965+04	1.4280+03	1.8292+04	3.9872+02	8.2900+00
74	6.9000+01	9.1965+04	1.6280+03	1.8271+04	4.1208+02	6.7450+00
75	7.0000+01	9.1965+04	1.8280+03	1.8281+04	4.0428+02	7.4250+00
76	7.1000+01	9.1965+04	2.0300+03	1.8151+04	4.1772+02	1.0100+01
77	7.2000+01	9.1965+04	2.2300+03	1.8218+04	4.2000+02	1.1820+01
78	7.3000+01	9.2065+04	3.0000+01	1.8592+04	3.9696+02	7.7400+00
79	7.4000+01	9.2065+04	2.3000+02	1.8029+04	4.1252+02	9.7550+00
80	7.5000+01	9.2065+04	4.3000+02	1.8226+04	4.1300+02	7.3150+00

ENDURANCE TEST PERFORMANCE

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
41	9.5800+01	5.2444+02	1.4779+03	1.4976+03	1.5354+03	1.4877+03
42	9.6640+01	5.1728+02	1.4796+03	1.4994+03	1.5374+03	1.4895+03
43	9.6208+01	5.2299+02	1.4773+03	1.4970+03	1.5348+03	1.4872+03
44	9.5800+01	4.9770+02	1.4707+03	1.4911+03	1.5286+03	1.4809+03
45	9.6712+01	4.8858+02	1.4717+03	1.4921+03	1.5295+03	1.4819+03
46	9.6301+01	4.6202+02	1.4705+03	1.4909+03	1.5283+03	1.4807+03
47	9.6585+01	4.9161+02	1.4695+03	1.4899+03	1.5273+03	1.4797+03
48	9.7199+01	4.7755+02	1.4661+03	1.4863+03	1.5244+03	1.4762+03
49	9.6142+01	4.8461+02	1.4668+03	1.4875+03	1.5251+03	1.4771+03
50	9.6330+01	5.1498+02	1.4769+03	1.4975+03	1.5353+03	1.4872+03
51	9.7226+01	5.1832+02	1.4797+03	1.4999+03	1.5387+03	1.4898+03
52	9.6187+01	5.2604+02	1.4765+03	1.4971+03	1.5353+03	1.4868+03
53	9.6017+01	5.3105+02	1.4785+03	1.4995+03	1.5379+03	1.4890+03
54	9.6807+01	5.3393+02	1.4782+03	1.4991+03	1.5379+03	1.4886+03
55	9.5840+01	5.3566+02	1.4779+03	1.4988+03	1.5373+03	1.4884+03
56	9.5705+01	5.3667+02	1.4789+03	1.4999+03	1.5383+03	1.4894+03
57	9.7684+01	5.1404+02	1.4733+03	1.4950+03	1.5330+03	1.4841+03
58	9.6108+01	5.1917+02	1.4770+03	1.4984+03	1.5372+03	1.4877+03
59	9.6971+01	5.0762+02	1.4696+03	1.4913+03	1.5296+03	1.4804+03
60	9.6200+01	5.0309+02	1.4729+03	1.4946+03	1.5330+03	1.4837+03
61	9.5813+01	5.0489+02	1.4691+03	1.4917+03	1.5301+03	1.4804+03
62	9.6100+01	5.1069+02	1.4713+03	1.4939+03	1.5323+03	1.4826+03
63	9.5967+01	5.1995+02	1.4734+03	1.4958+03	1.5344+03	1.4846+03
64	9.7348+01	2.4732+02	1.4740+03	1.4968+03	1.5355+03	1.4854+03
65	9.6444+01	5.2348+02	1.4750+03	1.4978+03	1.5371+03	1.4864+03
66	9.6373+01	5.2861+02	1.4761+03	1.4992+03	1.5380+03	1.4877+03
67	9.6410+01	5.3180+02	1.4761+03	1.4988+03	1.5380+03	1.4874+03
68	9.5819+01	5.2695+02	1.4771+03	1.4998+03	1.5394+03	1.4885+03
69	9.6158+01	5.2326+02	1.4757+03	1.4988+03	1.5381+03	1.4872+03
70	9.6028+01	5.1045+02	1.4700+03	1.4935+03	1.5323+03	1.4817+03
71	9.6200+01	2.4528+02	1.4680+03	1.4915+03	1.5303+03	1.4797+03
72	9.5853+01	5.0871+02	1.4685+03	1.4924+03	1.5313+03	1.4805+03
73	9.6948+01	4.8738+02	1.4654+03	1.4892+03	1.5280+03	1.4773+03
74	9.6839+01	5.0217+02	1.4671+03	1.4910+03	1.5298+03	1.4791+03
75	9.6892+01	4.9375+02	1.4645+03	1.4881+03	1.5274+03	1.4763+03
76	9.6200+01	5.0382+02	1.4635+03	1.4875+03	1.5264+03	1.4755+03
77	9.6558+01	5.0474+02	1.4657+03	1.4899+03	1.5292+03	1.4778+03
78	9.8538+01	4.8776+02	1.4658+03	1.4905+03	1.5297+03	1.4781+03
79	9.5556+01	4.9832+02	1.4634+03	1.4878+03	1.5270+03	1.4756+03
80	9.6598+01	5.0228+02	1.4647+03	1.4892+03	1.5285+03	1.4770+03

ENDURANCE TEST PERFORMANCE

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
41	1.2262+03	1.2362+03	1.2607+03	1.2333+03	1.2348+03	1.2452+03
42	1.2325+03	1.2413+03	1.2660+03	1.2388+03	1.2401+03	1.2508+03
43	1.2219+03	1.2316+03	1.2564+03	1.2274+03	1.2295+03	1.2401+03
44	1.2208+03	1.2304+03	1.2548+03	1.2275+03	1.2290+03	1.2390+03
45	1.2267+03	1.2362+03	1.2603+03	1.2342+03	1.2352+03	1.2447+03
46	1.2413+03	1.2500+03	1.2733+03	1.2496+03	1.2498+03	1.2589+03
47	1.2217+03	1.2318+03	1.2566+03	1.2295+03	1.2306+03	1.2403+03
48	1.2189+03	1.2289+03	1.2533+03	1.2260+03	1.2275+03	1.2371+03
49	1.2241+03	1.2335+03	1.2581+03	1.2320+03	1.2328+03	1.2424+03
50	1.2318+03	1.2415+03	1.2661+03	1.2390+03	1.2402+03	1.2501+03
51	1.2330+03	1.2422+03	1.2669+03	1.2397+03	1.2409+03	1.2512+03
52	1.2270+03	1.2374+03	1.2200+03	1.2345+03	1.2359+03	1.2464+03
53	1.2294+03	1.2398+03	1.2642+03	1.2364+03	1.2381+03	1.2488+03
54	1.2249+03	1.2352+03	1.2601+03	1.2310+03	1.2331+03	1.2441+03
55	1.2246+03	1.2349+03	1.2599+03	1.2312+03	1.2331+03	1.2438+03
56	1.2260+03	1.2368+03	1.2613+03	1.2331+03	1.2350+03	1.2458+03
57	1.2195+03	1.2303+03	1.2556+03	1.2266+03	1.2284+03	1.2389+03
58	1.2310+03	1.2404+03	1.2649+03	1.2378+03	1.2391+03	1.2494+03
59	1.2139+03	1.2247+03	1.2497+03	1.2203+03	1.2225+03	1.2329+03
60	1.2332+03	1.2423+03	1.2666+03	1.2406+03	1.2415+03	1.2518+03
61	1.2264+03	1.2363+03	1.2604+03	1.2335+03	1.2349+03	1.2453+03
62	1.2284+03	1.2384+03	1.2628+03	1.2363+03	1.2373+03	1.2474+03
63	1.2291+03	1.2390+03	1.2631+03	1.2361+03	1.2376+03	1.2476+03
64	1.2238+03	1.2345+03	1.2591+03	1.2308+03	1.2327+03	1.2425+03
65	1.2308+03	1.2410+03	1.2656+03	1.2381+03	1.2396+03	1.2496+03
66	1.2319+03	1.2416+03	1.2667+03	1.2395+03	1.2405+03	1.2514+03
67	1.2305+03	1.2407+03	1.2653+03	1.2387+03	1.2397+03	1.2502+03
68	1.2351+03	1.2446+03	1.2695+03	1.2425+03	1.2436+03	1.2541+03
69	1.2319+03	1.2416+03	1.9874+02	1.2391+03	1.2404+03	1.2506+03
70	1.2280+03	1.2380+03	2.0132+02	1.2355+03	1.2367+03	1.2470+03
71	1.2295+03	1.2390+03	2.0834+02	1.2369+03	1.2380+03	1.2480+03
72	1.2258+03	1.2362+03	3.3841+02	1.2333+03	1.2347+03	1.2447+03
73	1.2265+03	1.2365+03	4.8818+02	1.2340+03	1.2353+03	1.2446+03
74	1.2236+03	1.2339+03	4.8738+02	1.2311+03	1.2325+03	1.2423+03
75	1.2210+03	1.2306+03	4.8634+02	1.2277+03	1.2291+03	1.2400+03
76	1.2188+03	1.2287+03	5.4164+02	1.2247+03	1.2267+03	1.2369+03
77	1.2230+03	1.2332+03	5.4310+02	1.2299+03	1.2316+03	1.2412+03
78	1.2268+03	1.2368+03	2.1866+02	1.2343+03	1.2356+03	1.2458+03
79	1.2219+03	1.2316+03	2.1690+02	1.2283+03	1.2299+03	1.2405+03
80	1.2228+03	1.2325+03	2.2406+02	1.2297+03	1.2311+03	1.2414+03

ENDURANCE TEST PERFORMANCE

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
41	1.2554+03	1.2539+03	1.2534+03	1.5140+03	1.5132+03	1.5015+03
42	1.2611+03	1.2591+03	1.2590+03	1.5158+03	1.5150+03	1.5030+03
43	1.2504+03	1.2485+03	1.2483+03	1.5130+03	1.5127+03	1.5004+03
44	1.2493+03	1.2478+03	1.2471+03	1.5070+03	1.5066+03	1.4947+03
45	1.2554+03	1.2535+03	1.2530+03	1.5084+03	1.5076+03	1.4960+03
46	1.2691+03	1.2672+03	1.2672+03	1.5072+03	1.5068+03	1.4949+03
47	1.2510+03	1.2491+03	1.2487+03	1.5057+03	1.5054+03	1.4934+03
48	1.2478+03	1.2458+03	1.2454+03	1.5033+03	1.5025+03	1.4908+03
49	1.2531+03	1.2507+03	1.2506+03	1.5039+03	1.5036+03	1.4915+03
50	1.2608+03	1.2593+03	1.2586+03	1.5143+03	1.5139+03	1.5014+03
51	1.2615+03	1.2596+03	1.2594+03	1.5172+03	1.5168+03	1.5044+03
52	1.2566+03	1.2552+03	1.2545+03	1.5143+03	1.5135+03	1.5014+03
53	1.2595+03	1.2575+03	1.2571+03	1.5163+03	1.5155+03	1.5040+03
54	1.2543+03	1.2529+03	1.2523+03	1.5164+03	1.5156+03	1.5036+03
55	1.2540+03	1.2526+03	1.2520+03	1.5161+03	1.5153+03	1.5029+03
56	1.2560+03	1.2546+03	1.2540+03	1.5168+03	1.5160+03	1.5040+03
57	1.2496+03	1.2476+03	1.2473+03	1.5117+03	1.5114+03	1.4988+03
58	1.2601+03	1.2581+03	1.2576+03	1.5156+03	1.5149+03	1.5024+03
59	1.2432+03	1.2417+03	1.2411+03	1.5085+03	1.5082+03	1.4957+03
60	1.2621+03	1.2601+03	1.2599+03	1.5122+03	1.5115+03	1.4988+03
61	1.2555+03	1.2536+03	1.2533+03	1.5090+03	1.5086+03	1.4961+03
62	1.2581+03	1.2558+03	1.2556+03	1.5116+03	1.5112+03	1.4986+03
63	1.2584+03	1.2564+03	1.2560+03	1.5135+03	1.5131+03	1.5001+03
64	1.2532+03	1.2513+03	1.2509+03	1.5144+03	1.5137+03	1.5011+03
65	1.2604+03	1.2584+03	1.2581+03	1.5159+03	1.5151+03	1.5027+03
66	1.2618+03	1.2598+03	1.2595+03	1.5170+03	1.5162+03	1.5037+03
67	1.2605+03	1.2585+03	1.2583+03	1.5165+03	1.5162+03	1.5033+03
68	1.2644+03	1.2624+03	1.2623+03	1.5185+03	1.5177+03	1.5048+03
69	1.2614+03	1.2594+03	1.2590+03	1.5175+03	1.5162+03	1.5038+03
70	1.2577+03	1.2557+03	1.2554+03	1.5115+03	1.5108+03	1.4982+03
71	1.2588+03	1.2564+03	1.2562+03	1.5096+03	1.5088+03	1.4963+03
72	1.2549+03	1.2530+03	1.2527+03	1.5106+03	1.5098+03	1.4972+03
73	1.2552+03	1.2533+03	1.2529+03	1.5069+03	1.5065+03	1.4941+03
74	1.2530+03	1.2511+03	1.2505+03	1.5096+03	1.5088+03	1.4963+03
75	1.2503+03	1.2483+03	1.2480+03	1.5067+03	1.5059+03	1.4935+03
76	1.2472+03	1.2457+03	1.2451+03	1.5056+03	1.5049+03	1.4924+03
77	1.2519+03	1.2500+03	1.2495+03	1.5085+03	1.5077+03	1.4953+03
78	1.2556+03	1.2546+03	1.2538+03	1.5086+03	1.5082+03	1.4958+03
79	1.2504+03	1.2489+03	1.2485+03	1.5064+03	1.5056+03	1.4936+03
80	1.2517+03	1.2498+03	1.2495+03	1.5074+03	1.5065+03	1.4946+03

ENDURANCE TEST PERFORMANCE

	258	259	262	275	276	280
	T4-28	T4-29	T3-AVG	T5-186	T5-187	T5-AVG
41	1.4427+03	1.4384+03	1.5096+03	1.3984+03	1.3984+03	1.3987+03
42	1.4446+03	1.4404+03	1.5113+03	1.3994+03	1.4002+03	1.4003+03
43	1.4420+03	1.4373+03	1.5087+03	1.3973+03	1.3978+03	1.3979+03
44	1.4367+03	1.4324+03	1.5028+03	1.3917+03	1.3921+03	1.3921+03
45	1.4376+03	1.4333+03	1.5040+03	1.3935+03	1.3939+03	1.3941+03
46	1.4373+03	1.4330+03	1.5030+03	1.3940+03	1.3945+03	1.3947+03
47	1.4351+03	1.4304+03	1.5015+03	1.3918+03	1.3922+03	1.3922+03
48	1.4329+03	1.4286+03	1.4989+03	1.3890+03	1.3894+03	1.3895+03
49	1.4341+03	1.4293+03	1.4997+03	1.3901+03	1.3901+03	1.3905+03
50	1.4430+03	1.4387+03	1.5099+03	1.3995+03	1.3995+03	1.3998+03
51	1.4460+03	1.4417+03	1.5128+03	1.4019+03	1.4023+03	1.4023+03
52	1.4430+03	1.4387+03	1.5097+03	1.3991+03	1.3991+03	1.3994+03
53	1.4452+03	1.4405+03	1.5120+03	1.4015+03	1.4015+03	1.4017+03
54	1.4452+03	1.4405+03	1.5119+03	1.4008+03	1.4012+03	1.4013+03
55	1.4450+03	1.4402+03	1.5115+03	1.4009+03	1.4009+03	1.4011+03
56	1.4460+03	1.4413+03	1.5122+03	1.4019+03	1.4015+03	1.4019+03
57	1.4412+03	1.4364+03	1.5073+03	1.3973+03	1.3978+03	1.3978+03
58	1.4449+03	1.4402+03	1.5110+03	1.4009+03	1.4009+03	1.4011+03
59	1.4385+03	1.4334+03	1.5041+03	1.3940+03	1.3945+03	1.3943+03
60	1.4417+03	1.4365+03	1.5075+03	1.3983+03	1.3983+03	1.3984+03
61	1.4389+03	1.4342+03	1.5046+03	1.3954+03	1.3954+03	1.3955+03
62	1.4414+03	1.4367+03	1.5071+03	1.3981+03	1.3976+03	1.3979+03
63	1.4435+03	1.4383+03	1.5089+03	1.4000+03	1.3996+03	1.3998+03
64	1.4436+03	1.4389+03	1.5097+03	1.3993+03	1.4001+03	1.4000+03
65	1.4456+03	1.4405+03	1.5112+03	1.4007+03	1.4015+03	1.4014+03
66	1.4462+03	1.4415+03	1.5123+03	1.4017+03	1.4025+03	1.4025+03
67	1.4458+03	1.4406+03	1.5120+03	1.4013+03	1.4025+03	1.4021+03
68	1.4476+03	1.4425+03	1.5137+03	1.4027+03	1.4040+03	1.4037+03
69	1.4471+03	1.4416+03	1.5125+03	1.4017+03	1.4034+03	1.4028+03
70	1.4414+03	1.4363+03	1.5068+03	1.3971+03	1.3980+03	1.3979+03
71	1.4399+03	1.4348+03	1.5049+03	1.3951+03	1.3965+03	1.3960+03
72	1.4404+03	1.4349+03	1.5059+03	1.3961+03	1.3966+03	1.3966+03
73	1.4378+03	1.4327+03	1.5025+03	1.3933+03	1.3946+03	1.3942+03
74	1.4395+03	1.4344+03	1.5049+03	1.3951+03	1.3965+03	1.3960+03
75	1.4373+03	1.4322+03	1.5020+03	1.3923+03	1.3936+03	1.3932+03
76	1.4363+03	1.4312+03	1.5010+03	1.3922+03	1.3930+03	1.3926+03
77	1.4389+03	1.4338+03	1.5038+03	1.3944+03	1.3953+03	1.3950+03
78	1.4394+03	1.4339+03	1.5042+03	1.3950+03	1.3955+03	1.3956+03
79	1.4374+03	1.4323+03	1.5018+03	1.3932+03	1.3932+03	1.3934+03
80	1.4383+03	1.4328+03	1.5028+03	1.3938+03	1.3942+03	1.3942+03

ENDURANCE TEST PERFORMANCE

	285	298	301	304	307	313
	T80166	TWB116	TWB117	TLO102	TLI103	TCA122
41	1.4823+03	6.4721+01	1.9018+02	2.0183+02	1.2608+02	1.2860+03
42	1.4845+03	6.5338+01	1.9034+02	2.0364+02	1.2625+02	1.3020+03
43	1.4830+03	6.5474+01	1.9138+02	2.0418+02	1.2820+02	1.2946+03
44	1.4757+03	6.6515+01	1.8764+02	2.0389+02	1.2833+02	1.2851+03
45	1.4753+03	6.9304+01	1.8895+02	2.0658+02	1.3061+02	1.2944+03
46	1.4746+03	6.8533+01	1.8353+02	2.0581+02	1.2899+02	1.3003+03
47	1.4736+03	6.8450+01	1.8941+02	2.0527+02	1.2981+02	1.2919+03
48	1.4705+03	6.7144+01	1.8572+02	2.0578+02	1.2987+02	1.2882+03
49	1.4695+03	6.8782+01	1.8680+02	2.0515+02	1.3013+02	1.2897+03
50	1.4806+03	6.9147+01	1.9006+02	2.0551+02	1.2960+02	1.2982+03
51	1.4829+03	6.6743+01	1.9083+02	2.0674+02	1.2992+02	1.2972+03
52	1.4797+03	6.6896+01	1.9099+02	2.0382+02	1.2690+02	1.2951+03
53	1.4821+03	6.8610+01	1.9406+02	2.0456+02	1.2816+02	1.2968+03
54	1.4822+03	6.8237+01	1.9505+02	2.0463+02	1.2824+02	1.2951+03
55	1.4807+03	6.8404+01	1.9204+02	2.0395+02	1.2886+02	1.2829+03
56	1.4855+03	6.6323+01	1.9269+02	2.0330+02	1.2769+02	1.2912+03
57	1.4774+03	6.7301+01	1.9230+02	2.0461+02	1.2821+02	1.2921+03
58	1.5208+03	6.8805+01	1.9515+02	2.0307+02	1.2881+02	1.2984+03
59	1.5138+03	6.9417+01	1.9572+02	2.0280+02	1.2896+02	1.2882+03
60	1.5172+03	6.7805+01	1.8924+02	2.0465+02	1.3007+02	1.2983+03
61	1.5143+03	6.8053+01	1.8988+02	2.0405+02	1.2987+02	1.2895+03
62	1.5169+03	6.9828+01	1.9028+02	2.0401+02	1.3068+02	1.2894+03
63	1.5190+03	6.9647+01	1.9283+02	2.0343+02	1.3051+02	1.2951+03
64	1.5200+03	6.8432+01	1.9523+02	2.0398+02	1.2798+02	1.2962+03
65	1.5215+03	6.9083+01	1.9226+02	2.0208+02	1.2863+02	1.3000+03
66	1.5224+03	6.6973+01	1.8972+02	2.0306+02	1.2697+02	1.3014+03
67	1.5220+03	6.5148+01	1.8972+02	1.9972+02	1.2697+02	1.3006+03
68	1.5234+03	6.8044+01	1.9259+02	2.0279+02	1.2804+02	1.3040+03
69	1.5225+03	6.7919+01	1.9383+02	2.0351+02	1.2746+02	1.2993+03
70	1.5165+03	6.8459+01	1.8984+02	2.0400+02	1.2891+02	1.2957+03
71	1.5145+03	6.8717+01	1.8924+02	2.0508+02	1.3007+02	1.2969+03
72	1.5154+03	6.7415+01	1.8763+02	2.0514+02	1.3180+02	1.2956+03
73	1.5117+03	6.7756+01	1.8919+02	2.0548+02	1.3003+02	1.2938+03
74	1.5140+03	7.0978+01	1.9506+02	2.0423+02	1.3340+02	1.2901+03
75	1.5116+03	6.9436+01	1.9307+02	2.0240+02	1.2853+02	1.2916+03
76	1.5109+03	6.9264+01	1.9335+02	2.0141+02	1.2745+02	1.2864+03
77	1.5133+03	6.6650+01	1.9029+02	2.0235+02	1.2801+02	1.2903+03
78	1.5139+03	6.8127+01	1.9267+02	2.0412+02	1.2767+02	1.2945+03
79	1.5117+03	6.8180+01	1.9363+02	2.0208+02	1.2682+02	1.2892+03
80	1.5127+03	6.8261+01	1.9417+02	2.0216+02	1.2644+02	1.2892+03

ENDURANCE TEST PERFORMANCE

	328 FLOW	329 RTDNET	330 PST185	390 QHB	335 W FLOW	340 QWBCAL
41	2.1043+00	5.6090+03	2.6400+01	5.7432+00	6.7432+00	5.9426+02
42	2.0491+00	5.6120+03	2.5000+01	5.6138+00	6.6138+00	5.7580+02
43	2.0643+00	5.6020+03	2.4680+01	5.7584+00	6.7584+00	5.9522+02
44	2.0634+00	5.6030+03	2.4180+01	5.4995+00	6.4995+00	5.5324+02
45	1.9751+00	5.6060+03	2.3720+01	5.5528+00	6.5528+00	5.4581+02
46	1.9623+00	5.6020+03	2.3920+01	5.5528+00	6.5528+00	5.2699+02
47	1.9564+00	5.6020+03	2.4020+01	5.4919+00	6.4919+00	5.4741+02
48	1.9471+00	5.6040+03	2.4780+01	5.6442+00	6.6442+00	5.4572+02
49	1.9475+00	5.6040+03	2.7260+01	5.4842+00	6.4842+00	5.3599+02
50	2.0268+00	5.6040+03	2.7200+01	5.7280+00	6.7280+00	5.6844+02
51	2.0188+00	5.6070+03	2.5920+01	5.6975+00	6.6975+00	5.7537+02
52	2.1081+00	5.5920+03	2.5160+01	5.6975+00	6.6975+00	5.8155+02
53	2.1693+00	5.6030+03	2.6280+01	5.6366+00	6.6366+00	5.8361+02
54	2.0537+00	5.6020+03	2.6260+01	5.6214+00	6.6214+00	5.8377+02
55	2.0476+00	5.6070+03	2.6360+01	5.9561+00	6.9561+00	6.0384+02
56	2.2952+00	5.6020+03	2.8180+01	5.8953+00	6.8953+00	6.1258+02
57	2.0329+00	5.6010+03	2.7320+01	5.7508+00	6.7508+00	5.8142+02
58	2.0635+00	5.6020+03	2.7700+01	5.6061+00	6.6061+00	5.8452+02
59	1.9956+00	5.6030+03	2.7760+01	5.6290+00	6.6290+00	5.8110+02
60	1.9888+00	5.6050+03	2.6820+01	5.6747+00	6.6747+00	5.6715+02
61	2.0101+00	5.5950+03	2.5820+01	5.7127+00	6.7127+00	5.7452+02
62	1.9776+00	5.6050+03	2.4700+01	5.7356+00	6.7356+00	5.6831+02
63	2.0439+00	5.6010+03	2.5600+01	5.7660+00	6.7660+00	5.8451+02
64	2.0736+00	5.5930+03	2.6200+01	5.6899+00	6.6899+00	5.8645+02
65	2.0761+00	5.5990+03	2.4680+01	5.7660+00	6.7660+00	5.8164+02
66	2.0885+00	5.5960+03	2.5360+01	5.8193+00	6.8193+00	5.8459+02
67	2.0896+00	5.5940+03	2.5120+01	5.8345+00	6.8345+00	5.9429+02
68	2.0416+00	5.6060+03	2.6540+01	5.8345+00	6.8345+00	5.9781+02
69	2.0666+00	5.6030+03	2.6180+01	5.8117+00	6.8117+00	6.0020+02
70	1.9925+00	5.5980+03	2.5760+01	5.7280+00	6.7280+00	5.7242+02
71	2.0068+00	5.5980+03	2.6880+01	5.7965+00	6.7965+00	5.7314+02
72	1.9760+00	5.5990+03	2.7800+01	5.7432+00	6.7432+00	5.6927+02
73	2.0451+00	5.5960+03	2.6800+01	5.6214+00	6.6214+00	5.5836+02
74	2.0263+00	5.6020+03	2.6080+01	5.6061+00	6.6061+00	5.6979+02
75	2.0473+00	5.5900+03	2.6260+01	5.6442+00	6.6442+00	5.7069+02
76	2.0174+00	5.5970+03	2.7480+01	5.6671+00	6.6671+00	5.7884+02
77	2.0184+00	5.5960+03	2.7780+01	5.6061+00	6.6061+00	5.6939+02
78	2.0042+00	5.5950+03	2.5980+01	5.5452+00	6.5452+00	5.5694+02
79	2.0415+00	5.5950+03	2.6900+01	5.5604+00	6.5604+00	5.7972+02
80	1.9939+00	5.5970+03	2.7560+01	5.6138+00	6.6138+00	5.8022+02

ENDURANCE TEST PERFORMANCE

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
41	5.2600+00	5.6500+00	7.1602+00	2.5900+01	9.9052-01	6.8002+02
42	5.4800+00	5.8470+00	7.3384+00	2.6109+01	9.9386-01	6.6480+02
43	5.0700+00	5.3686+00	6.7990+00	2.5559+01	9.9444-01	6.8414+02
44	5.0100+00	5.2935+00	6.5223+00	2.4862+01	9.9357-01	6.4358+02
45	5.3600+00	5.5093+00	6.5551+00	2.4720+01	9.9580-01	6.3655+02
46	5.9300+00	6.0299+00	7.0617+00	2.4602+01	9.9528-01	6.1713+02
47	5.2900+00	5.4155+00	6.4473+00	2.4573+01	9.9572-01	6.3823+02
48	5.2400+00	5.2888+00	6.1940+00	2.4113+01	9.9612-01	6.3620+02
49	5.4100+00	5.4671+00	6.3675+00	2.4218+01	9.9569-01	6.2088+02
50	5.6600+00	5.6828+00	6.7803+00	2.5436+01	9.9550-01	6.5310+02
51	5.7200+00	5.7438+00	6.8788+00	2.5772+01	9.9467-01	6.6300+02
52	5.6100+00	5.6547+00	6.7896+00	2.5663+01	9.9455-01	6.6851+02
53	5.6800+00	5.6500+00	6.8553+00	2.5801+01	9.9465-01	6.6786+02
54	5.5300+00	5.5093+00	6.7334+00	2.5806+01	9.9472-01	6.6842+02
55	5.4600+00	5.4764+00	6.6630+00	2.5697+01	9.9201-01	6.8766+02
56	5.5000+00	5.5843+00	6.7568+00	2.5905+01	9.9360-01	6.9370+02
57	5.1800+00	5.2842+00	6.5082+00	2.5180+01	9.9522-01	6.6742+02
58	5.5500+00	5.6359+00	6.8225+00	2.5616+01	9.9527-01	6.6777+02
59	5.0200+00	5.0778+00	6.1799+00	2.4768+01	9.9586-01	6.6688+02
60	5.7000+00	5.7719+00	6.7474+00	2.5028+01	9.9584-01	6.5305+02
61	5.5200+00	5.5280+00	6.5270+00	2.4843+01	9.9464-01	6.6156+02
62	5.5600+00	5.5656+00	6.5786+00	2.5000+01	9.9433-01	6.5776+02
63	5.6100+00	5.6406+00	6.6724+00	2.5379+01	9.9518-01	6.7142+02
64	5.5000+00	5.5140+00	6.6255+00	2.5592+01	9.9555-01	6.7381+02
65	5.7400+00	5.7344+00	6.8412+00	2.5763+01	9.9555-01	6.7128+02
66	5.7900+00	5.8047+00	6.9257+00	2.5953+01	9.9547-01	6.7248+02
67	5.7500+00	5.7860+00	6.9491+00	2.6009+01	9.9513-01	6.8337+02
68	5.8600+00	5.8845+00	7.0804+00	2.5995+01	9.9551-01	6.8308+02
69	5.6900+00	5.7344+00	6.9444+00	2.5900+01	9.9488-01	6.8602+02
70	5.5700+00	5.6218+00	6.7427+00	2.5223+01	9.9512-01	6.5903+02
71	5.5900+00	5.6500+00	6.7381+00	2.4943+01	9.9557-01	6.5910+02
72	5.4500+00	5.5468+00	6.6020+00	2.5019+01	9.9577-01	6.5463+02
73	5.5200+00	5.5280+00	6.5270+00	2.4616+01	9.9583-01	6.4702+02
74	5.4000+00	5.4014+00	6.4191+00	2.4796+01	9.9527-01	6.5989+02
75	5.4300+00	5.4342+00	6.4191+00	2.4682+01	9.9570-01	6.6015+02
76	5.3200+00	5.2701+00	6.3066+00	2.4521+01	9.9499-01	6.6494+02
77	5.4700+00	5.4671+00	6.5411+00	2.4848+01	9.9478-01	6.5412+02
78	5.6300+00	5.6500+00	6.7615+00	2.4938+01	9.9488-01	6.4774+02
79	5.5000+00	5.4952+00	6.6208+00	2.4701+01	9.9423-01	6.6552+02
80	5.3700+00	5.5046+00	6.7381+00	2.4881+01	9.9366-01	6.6950+02

ENDURANCE TEST PERFORMANCE

	388 Q COR	389 SCAN	550	551	552	556
41	6.4802+02	1.0000+00	3.9000+01	9.1765+04	4.3000+02	8.2000+01
42	6.3697+02	1.0000+00	4.0000+01	9.1765+04	6.3000+02	8.4000+01
43	6.5734+02	1.0000+00	4.1000+01	9.1765+04	9.2900+02	8.6983+01
44	6.3902+02	1.0000+00	4.2000+01	9.1765+04	1.0330+03	8.8050+01
45	6.4637+02	1.0000+00	4.3000+01	9.1765+04	1.2320+03	9.0033+01
46	6.4363+02	1.0000+00	4.4000+01	9.1765+04	1.4300+03	9.2000+01
47	6.4828+02	2.0000+00	4.4000+01	9.1765+04	1.4300+03	9.2000+01
48	6.6140+02	1.0000+00	4.5000+01	9.1765+04	1.6300+03	9.4000+01
49	6.4239+02	1.0000+00	4.6000+01	9.1765+04	1.8300+03	9.6000+01
50	6.4299+02	1.0000+00	4.7000+01	9.1765+04	1.8300+03	9.6000+01
51	6.4717+02	1.0000+00	4.8000+01	9.1765+04	2.2250+03	9.9917+01
52	6.4713+02	1.0000+00	4.9000+01	9.1865+04	3.0000+01	1.0200+02
53	6.4250+02	1.0000+00	5.0000+01	9.1865+04	2.3000+02	1.0400+02
54	6.4175+02	2.0000+00	5.0000+01	9.1865+04	2.3000+02	1.0400+02
55	6.5816+02	1.0000+00	5.1000+01	9.1865+04	4.3000+02	1.0600+02
56	6.5903+02	1.0000+00	5.2000+01	9.1865+04	6.3000+02	1.0800+02
57	6.6026+02	1.0000+00	5.3000+01	9.1865+04	8.3000+02	1.1000+02
58	6.4986+02	1.0000+00	5.4000+01	9.1865+04	1.0300+03	1.1200+02
59	6.6387+02	1.0000+00	5.5000+01	9.1865+04	1.2300+03	1.1400+02
60	6.5691+02	1.0000+00	5.6000+01	9.1865+04	1.4300+03	1.1600+02
61	6.6442+02	1.0000+00	5.7000+01	9.1865+04	1.6400+03	1.1817+02
62	6.5855+02	1.0000+00	5.8000+01	9.1865+04	1.8300+03	1.2000+02
63	6.5994+02	1.0000+00	5.9000+01	9.1865+04	2.0300+03	1.2200+02
64	6.5768+02	1.0000+00	6.0000+01	9.1865+04	2.2300+03	1.2400+02
65	6.5292+02	1.0000+00	6.1000+01	9.1965+04	3.0000+01	1.2600+02
66	6.4890+02	1.0000+00	6.2000+01	9.1965+04	2.3000+02	1.2800+02
67	6.5736+02	1.0000+00	6.3000+01	9.1965+04	4.3000+02	1.3000+02
68	6.5742+02	1.0000+00	6.4000+01	9.1965+04	6.3000+02	1.3200+02
69	6.6216+02	1.0000+00	6.5000+01	9.1965+04	8.3100+02	1.3402+02
70	6.5386+02	2.0000+00	6.5000+01	9.1965+04	9.2100+02	1.3485+02
71	6.6509+02	1.0000+00	6.6000+01	9.1965+04	1.0340+03	1.3607+02
72	6.5296+02	1.0000+00	6.7000+01	9.1965+04	1.2300+03	1.3800+02
73	6.6486+02	1.0000+00	6.8000+01	9.1965+04	1.4280+03	1.3997+02
74	6.6800+02	1.0000+00	6.9000+01	9.1965+04	1.6280+03	1.4197+02
75	6.7056+02	1.0000+00	7.0000+01	9.1965+04	1.8280+03	1.4397+02
76	6.7419+02	1.0000+00	7.1000+01	9.1965+04	2.0300+03	1.4600+02
77	6.5968+02	1.0000+00	7.2000+01	9.1965+04	2.2300+03	1.4800+02
78	6.6498+02	1.0000+00	7.3000+01	9.2065+04	3.0000+01	1.5000+02
79	6.7006+02	1.0000+00	7.4000+01	9.2065+04	2.3000+02	1.5200+02
80	6.7456+02	1.0000+00	7.5000+01	9.2065+04	4.3000+02	1.5400+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

September 20 to September 22

ENDURANCE TEST PERFORMANCE

	104 READ	105 DATE	106 HOUR	113 RPM	120 QWB 88	126 QST 87
81	7.5000+01	9.2065+04	4.3000+02	1.8208+04	4.0264+02	9.2700+00
82	7.6000+01	9.2065+04	6.3000+02	1.8247+04	4.0200+02	8.5800+00
83	7.7000+01	9.2065+04	8.4400+02	1.8395+04	4.1028+02	7.4150+00
84	7.8000+01	9.2065+04	1.0280+03	1.8215+04	4.3004+02	9.3750+00
85	7.8000+01	9.2065+04	1.0320+03	1.8155+04	4.2772+02	9.3250+00
86	7.9000+01	9.2065+04	1.2280+03	1.8217+04	4.1620+02	1.0005+01
87	8.0000+01	9.2065+04	1.4280+03	1.8259+04	4.1196+02	9.0700+00
88	8.1000+01	9.2065+04	1.6300+03	1.8138+04	4.1084+02	1.2315+01
89	8.2000+01	9.2065+04	1.8250+03	1.8233+04	4.1020+02	5.3050+00
90	8.3000+01	9.2065+04	2.0250+03	1.8197+04	4.1008+02	1.0985+01
91	8.4000+01	9.2065+04	2.2300+03	1.8231+04	4.0976+02	7.2400+00
92	8.5000+01	9.2165+04	3.0000+01	1.8219+04	4.0992+02	8.0350+00
93	8.6000+01	9.2165+04	2.3000+02	1.8142+04	4.2060+02	1.0325+01
94	8.7000+01	9.2165+04	4.3000+02	1.8110+04	4.0908+02	1.0460+01
95	8.8000+01	9.2165+04	6.3000+02	1.8162+04	4.0756+02	7.0450+00
96	8.9000+01	9.2165+04	8.2900+02	1.8301+04	4.0312+02	5.1750+00
97	9.0000+01	9.2165+04	1.0270+03	1.8033+04	4.1756+02	7.6050+00
98	9.0000+01	9.2165+04	1.0270+03	1.8023+04	4.1664+02	7.4100+00
99	9.0000+01	9.2165+04	1.0270+03	1.8064+04	4.1652+02	7.5300+00
100	9.1000+01	9.2165+04	1.2290+03	1.8192+04	4.0240+02	4.1750+00
101	9.2000+01	9.2165+04	1.4290+03	1.8254+04	4.1428+02	5.1300+00
102	9.3000+01	9.2165+04	1.6300+03	1.8197+04	4.1928+02	9.1400+00
103	9.4000+01	9.2165+04	1.8250+03	1.8249+04	4.1032+02	8.9650+00
104	9.5000+01	9.2165+04	1.9450+03	1.8277+04	4.1984+02	8.6800+00
105	9.6000+01	9.2165+04	2.0250+03	1.8310+04	4.1668+02	8.3000+00
106	9.7000+01	9.2165+04	2.2250+03	1.8273+04	4.1276+02	9.3800+00
107	9.8000+01	9.2265+04	3.0000+01	1.8329+04	4.1672+02	7.7550+00

ENDURANCE TEST PERFORMANCE

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
81	9.6505+01	4.8988+02	1.4637+03	1.4882+03	1.5274+03	1.4759+03
82	9.6709+01	4.9013+02	1.4656+03	1.4903+03	1.5296+03	1.4780+03
83	9.7493+01	5.0036+02	1.4656+03	1.4903+03	1.5300+03	1.4780+03
84	9.6539+01	5.1720+02	1.4669+03	1.4921+03	1.5310+03	1.4795+03
85	9.6221+01	5.1462+02	1.4679+03	1.4932+03	1.5325+03	1.4806+03
86	9.6550+01	5.0275+02	1.4652+03	1.4907+03	1.5295+03	1.4780+03
87	9.6775+01	4.9967+02	1.4648+03	1.4898+03	1.5295+03	1.4773+03
88	9.6131+01	4.9466+02	1.4632+03	1.4885+03	1.5277+03	1.4758+03
89	9.6638+01	5.0153+02	1.4647+03	1.4906+03	1.5299+03	1.4777+03
90	9.6447+01	4.9554+02	1.4634+03	1.4892+03	1.5285+03	1.4763+03
91	9.6627+01	4.9915+02	1.4628+03	1.4885+03	1.5282+03	1.4757+03
92	9.6561+01	4.9845+02	1.4614+03	1.4871+03	1.5268+03	1.4742+03
93	9.6153+01	5.0643+02	1.4625+03	1.4886+03	1.5284+03	1.4756+03
94	9.5986+01	4.9461+02	1.4596+03	1.4858+03	1.5252+03	1.4727+03
95	9.6259+01	4.9677+02	1.4617+03	1.4878+03	1.5275+03	1.4747+03
96	9.6995+01	4.9494+02	1.4621+03	1.4887+03	1.5280+03	1.4754+03
97	9.5578+01	5.0553+02	1.4626+03	1.4896+03	1.5289+03	1.4761+03
98	9.5522+01	5.0475+02	1.4626+03	1.4892+03	1.5289+03	1.4759+03
99	9.5739+01	5.0473+02	1.4628+03	1.4895+03	1.5287+03	1.4762+03
100	9.6418+01	4.9464+02	1.4615+03	1.4881+03	1.5278+03	1.4748+03
101	9.6749+01	5.0590+02	1.4612+03	1.4882+03	1.5275+03	1.4747+03
102	9.6447+01	5.0659+02	1.4621+03	1.4892+03	1.5289+03	1.4756+03
103	9.6722+01	4.9808+02	1.4613+03	1.4888+03	1.5286+03	1.4751+03
104	9.6868+01	5.0803+02	1.4615+03	1.4886+03	1.5283+03	1.4750+03
105	9.7043+01	5.0542+02	1.4612+03	1.4883+03	1.5284+03	1.4747+03
106	9.6850+01	5.0023+02	1.4613+03	1.4888+03	1.5289+03	1.4750+03
107	9.7146+01	5.0611+02	1.4621+03	1.4901+03	1.5298+03	1.4761+03

ENDURANCE TEST PERFORMANCE

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
81	1.2235+03	1.2338+03	2.2350+02	1.2309+03	1.2323+03	1.2422+03
82	1.2271+03	1.2371+03	2.2421+02	1.2346+03	1.2359+03	1.2461+03
83	1.2234+03	1.2336+03	2.2589+02	1.2303+03	1.2320+03	1.2416+03
84	1.2234+03	1.2336+03	2.4990+02	1.2304+03	1.2320+03	1.2425+03
85	1.2278+03	1.2377+03	2.5011+02	1.2352+03	1.2365+03	1.2467+03
86	1.2258+03	1.2358+03	2.6984+02	1.2329+03	1.2344+03	1.2443+03
87	1.2271+03	1.2371+03	2.7166+02	1.2346+03	1.2358+03	1.2461+03
88	1.2246+03	1.2345+03	2.7075+02	1.2316+03	1.2331+03	1.2429+03
89	1.2278+03	1.2378+03	2.7067+02	1.2349+03	1.2364+03	1.2464+03
90	1.2253+03	1.2352+03	2.7194+02	1.2324+03	1.2338+03	1.2437+03
91	1.2259+03	1.2363+03	2.6900+02	1.2334+03	1.2349+03	1.2448+03
92	1.2208+03	1.2313+03	2.6751+02	1.2275+03	1.2294+03	1.2394+03
93	1.2194+03	1.2294+03	2.6866+02	1.2253+03	1.2273+03	1.2375+03
94	1.2175+03	1.2275+03	2.6622+02	1.2239+03	1.2257+03	1.2361+03
95	1.2223+03	1.2325+03	2.6464+02	1.2292+03	1.2308+03	1.2409+03
96	1.2211+03	1.2311+03	2.6783+02	1.2279+03	1.2295+03	1.2401+03
97	1.2236+03	1.2339+03	2.7238+02	1.2310+03	1.2324+03	1.2423+03
98	1.2240+03	1.2343+03	2.7238+02	1.2310+03	1.2327+03	1.2427+03
99	1.2247+03	1.2346+03	2.7222+02	1.2318+03	1.2332+03	1.2435+03
100	1.2255+03	1.2355+03	2.7359+02	1.2326+03	1.2341+03	1.2440+03
101	1.2177+03	1.2281+03	2.7459+02	1.2241+03	1.2261+03	1.2371+03
102	1.2232+03	1.2338+03	2.7373+02	1.2310+03	1.2324+03	1.2423+03
103	1.2254+03	1.2358+03	2.7658+02	1.2329+03	1.2343+03	1.2447+03
104	1.2171+03	1.2272+03	2.0902+02	1.2231+03	1.2252+03	1.2358+03
105	1.2159+03	1.2265+03	2.0358+02	1.2220+03	1.2243+03	1.2343+03
106	1.2245+03	1.2343+03	2.0403+02	1.2315+03	1.2329+03	1.2428+03
107	1.2249+03	1.2348+03	2.0235+02	1.2319+03	1.2333+03	1.2437+03

ENDURANCE TEST PERFORMANCE

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
81	1.2528+03	1.2510+03	1.2505+03	1.5067+03	1.5059+03	1.4936+03
82	1.2568+03	1.2549+03	1.2544+03	1.5093+03	1.5085+03	1.4961+03
83	1.2523+03	1.2504+03	1.2500+03	1.5094+03	1.5085+03	1.4961+03
84	1.2527+03	1.2509+03	1.2506+03	1.5107+03	1.5099+03	1.4973+03
85	1.2575+03	1.2555+03	1.2552+03	1.5117+03	1.5110+03	1.4984+03
86	1.2549+03	1.2531+03	1.2526+03	1.5089+03	1.5085+03	1.4956+03
87	1.2563+03	1.2544+03	1.2541+03	1.5093+03	1.5085+03	1.4956+03
88	1.2531+03	1.2517+03	1.2510+03	1.5070+03	1.5067+03	1.4943+03
89	1.2567+03	1.2548+03	1.2546+03	1.5097+03	1.5089+03	1.4964+03
90	1.2543+03	1.2524+03	1.2520+03	1.5082+03	1.5074+03	1.4946+03
91	1.2550+03	1.2531+03	1.2528+03	1.5071+03	1.5067+03	1.4944+03
92	1.2497+03	1.2482+03	1.2476+03	1.5061+03	1.5053+03	1.4929+03
93	1.2482+03	1.2463+03	1.2459+03	1.5081+03	1.5073+03	1.4945+03
94	1.2464+03	1.2449+03	1.2443+03	1.5048+03	1.5041+03	1.4916+03
95	1.2512+03	1.2497+03	1.2491+03	1.5073+03	1.5065+03	1.4936+03
96	1.2504+03	1.2485+03	1.2482+03	1.5078+03	1.5069+03	1.4941+03
97	1.2529+03	1.2511+03	1.2507+03	1.5087+03	1.5079+03	1.4950+03
98	1.2529+03	1.2511+03	1.2508+03	1.5087+03	1.5079+03	1.4950+03
99	1.2541+03	1.2523+03	1.2517+03	1.5085+03	1.5077+03	1.4953+03
100	1.2541+03	1.2523+03	1.2520+03	1.5076+03	1.5068+03	1.4940+03
101	1.2470+03	1.2455+03	1.2451+03	1.5072+03	1.5064+03	1.4940+03
102	1.2525+03	1.2506+03	1.2502+03	1.5091+03	1.5083+03	1.4959+03
103	1.2544+03	1.2525+03	1.2524+03	1.5083+03	1.5075+03	1.4951+03
104	1.2461+03	1.2442+03	1.2439+03	1.5080+03	1.5072+03	1.4948+03
105	1.2446+03	1.2431+03	1.2425+03	1.5077+03	1.5074+03	1.4945+03
106	1.2530+03	1.2511+03	1.2508+03	1.5087+03	1.5079+03	1.4950+03
107	1.2539+03	1.2520+03	1.2518+03	1.5100+03	1.5088+03	1.4963+03

ENDURANCE TEST PERFORMANCE

	258	259	262	275	276	280
	T4-28	T4-29	T3-AVG	T5-186	T5-187	T5-AVG
81	1.4373+03	1.4322+03	1.5021+03	1.3928+03	1.3932+03	1.3932+03
82	1.4380+03	1.4346+03	1.5046+03	1.3958+03	1.3962+03	1.3961+03
83	1.4393+03	1.4342+03	1.5047+03	1.3953+03	1.3962+03	1.3959+03
84	1.4405+03	1.4350+03	1.5060+03	1.3967+03	1.3971+03	1.3971+03
85	1.4416+03	1.4364+03	1.5070+03	1.3978+03	1.3983+03	1.3981+03
86	1.4396+03	1.4341+03	1.5043+03	1.3957+03	1.3962+03	1.3960+03
87	1.4396+03	1.4341+03	1.5045+03	1.3957+03	1.3957+03	1.3957+03
88	1.4380+03	1.4329+03	1.5027+03	1.3939+03	1.3939+03	1.3941+03
89	1.4400+03	1.4345+03	1.5050+03	1.3965+03	1.3965+03	1.3965+03
90	1.4391+03	1.4336+03	1.5034+03	1.3951+03	1.3946+03	1.3950+03
91	1.4385+03	1.4330+03	1.5027+03	1.3944+03	1.3944+03	1.3946+03
92	1.4371+03	1.4316+03	1.5014+03	1.3934+03	1.3934+03	1.3933+03
93	1.4390+03	1.4331+03	1.5033+03	1.3945+03	1.3945+03	1.3945+03
94	1.4359+03	1.4303+03	1.5002+03	1.3922+03	1.3922+03	1.3922+03
95	1.4382+03	1.4327+03	1.5025+03	1.3942+03	1.3942+03	1.3942+03
96	1.4386+03	1.4327+03	1.5029+03	1.3942+03	1.3946+03	1.3945+03
97	1.4395+03	1.4335+03	1.5038+03	1.3955+03	1.3955+03	1.3955+03
98	1.4395+03	1.4335+03	1.5038+03	1.3955+03	1.3955+03	1.3955+03
99	1.4393+03	1.4338+03	1.5038+03	1.3954+03	1.3954+03	1.3954+03
100	1.4385+03	1.4326+03	1.5028+03	1.3949+03	1.3949+03	1.3949+03
101	1.4386+03	1.4331+03	1.5026+03	1.3941+03	1.3941+03	1.3941+03
102	1.4399+03	1.4339+03	1.5044+03	1.3960+03	1.3960+03	1.3960+03
103	1.4396+03	1.4336+03	1.5037+03	1.3952+03	1.3956+03	1.3955+03
104	1.4389+03	1.4330+03	1.5034+03	1.3949+03	1.3949+03	1.3948+03
105	1.4390+03	1.4331+03	1.5032+03	1.3946+03	1.3951+03	1.3948+03
106	1.4395+03	1.4340+03	1.5039+03	1.3956+03	1.3960+03	1.3957+03
107	1.5716+03	1.4344+03	1.5050+03	1.3969+03	1.3969+03	1.3969+03

ENDURANCE TEST PERFORMANCE

	285	298	301	304	307	313
	TBO166	TWB116	TWB117	TLO102	TLI103	TCA122
81	1.5116+03	6.7200+01	1.9265+02	2.0035+02	1.2584+02	1.2908+03
82	1.5142+03	6.8429+01	1.9206+02	2.0273+02	1.2661+02	1.2944+03
83	1.5137+03	6.6168+01	1.9208+02	2.0315+02	1.2617+02	1.2915+03
84	1.5156+03	6.8456+01	1.9482+02	2.0192+02	1.2755+02	1.2944+03
85	1.5167+03	6.9119+01	1.9412+02	2.0211+02	1.2821+02	1.2964+03
86	1.5141+03	6.8848+01	1.9112+02	2.0228+02	1.2839+02	1.2944+03
87	1.5137+03	6.7489+01	1.9067+02	2.0311+02	1.2885+02	1.2966+03
88	1.5123+03	6.9304+01	1.9112+02	2.0311+02	1.2839+02	1.2931+03
89	1.5145+03	7.0130+01	1.9377+02	2.0345+02	1.2831+02	1.2951+03
90	1.5135+03	6.6863+01	1.9050+02	2.0254+02	1.2777+02	1.2934+03
91	1.5124+03	6.8468+01	1.9210+02	2.0235+02	1.2756+02	1.2928+03
92	1.5114+03	6.8791+01	1.9197+02	2.0222+02	1.2788+02	1.2876+03
93	1.5130+03	6.9488+01	1.9176+02	2.0286+02	1.2812+02	1.2887+03
94	1.5101+03	6.6589+01	1.8812+02	2.0104+02	1.2704+02	1.2834+03
95	1.5117+03	6.8198+01	1.9093+02	2.0085+02	1.2729+02	1.2892+03
96	1.5122+03	6.8656+01	1.8877+02	2.0252+02	1.2729+02	1.2888+03
97	1.5135+03	6.8665+01	1.9003+02	2.0128+02	1.2821+02	1.2921+03
98	1.5135+03	6.8210+01	1.8961+02	2.0128+02	1.2821+02	1.2921+03
99	1.5133+03	6.8044+01	1.8904+02	2.0154+02	1.2759+02	1.2920+03
100	1.5125+03	6.8054+01	1.9487+02	2.0280+02	1.2896+02	1.2928+03
101	1.5121+03	7.0872+01	1.9451+02	2.0288+02	1.2905+02	1.2875+03
102	1.5135+03	7.0925+01	1.9365+02	2.0418+02	1.3001+02	1.2929+03
103	1.5132+03	6.7867+01	1.8929+02	2.0429+02	1.2923+02	1.2951+03
104	1.5133+03	6.9851+01	1.9440+02	2.0028+02	1.2940+02	1.2835+03
105	1.5130+03	6.9559+01	1.9410+02	2.0168+02	1.2910+02	1.2858+03
106	1.5135+03	6.7774+01	1.8963+02	1.9838+02	1.2777+02	1.2913+03
107	1.5144+03	6.8677+01	1.9413+02	1.9837+02	1.2822+02	1.2950+03

ENDURANCE TEST PERFORMANCE

	328 FLOW	329 RTDNET	330 PST185	390 QHB	335 W FLOW	340 QWBCAL
81	2.0337+00	5.5880+03	2.7300+01	5.3927+00	6.3927+00	5.5946+02
82	2.0055+00	5.5950+03	2.7200+01	5.6595+00	6.6595+00	5.7306+02
83	1.9947+00	5.5950+03	2.6220+01	5.6442+00	6.6442+00	5.7755+02
84	2.1307+00	5.5970+03	2.7560+01	5.7508+00	6.7508+00	5.9465+02
85	2.0151+00	5.6030+03	2.7700+01	5.5757+00	6.5757+00	5.7498+02
86	2.0250+00	5.5970+03	2.7800+01	5.7660+00	6.7660+00	5.7674+02
87	2.0293+00	5.6010+03	2.6780+01	5.6214+00	6.6214+00	5.6734+02
88	2.0532+00	5.5940+03	2.6220+01	5.4842+00	6.4842+00	5.5320+02
89	2.0772+00	5.5980+03	2.5660+01	5.3088+00	6.3088+00	5.4347+02
90	2.0156+00	5.5960+03	2.6620+01	5.5071+00	6.5071+00	5.6154+02
91	1.9791+00	5.5980+03	2.5760+01	5.5452+00	6.5452+00	5.6376+02
92	1.9871+00	5.5960+03	2.6780+01	5.5757+00	6.5757+00	5.6469+02
93	1.9915+00	5.6040+03	2.7360+01	5.7432+00	6.7432+00	5.7717+02
94	1.9559+00	5.5970+03	2.6520+01	5.6975+00	6.6975+00	5.7082+02
95	1.9550+00	5.5960+03	2.6800+01	5.6442+00	6.6442+00	5.7022+02
96	2.0420+00	5.6030+03	2.5380+01	5.5833+00	6.5833+00	5.4888+02
97	2.0314+00	5.6040+03	2.6740+01	5.6518+00	6.6518+00	5.6856+02
98	2.0273+00	5.6040+03	2.6580+01	5.6823+00	6.6823+00	5.7165+02
99	1.9849+00	5.6010+03	2.6420+01	5.5757+00	6.5757+00	5.5946+02
100	2.0220+00	5.6010+03	2.5380+01	5.2401+00	6.2401+00	5.5258+02
101	2.0487+00	5.6020+03	2.6420+01	5.3775+00	6.3775+00	5.4872+02
102	2.0492+00	5.6010+03	2.8400+01	5.6823+00	6.6823+00	5.7236+02
103	1.9795+00	5.5990+03	2.8400+01	5.6214+00	6.6214+00	5.5961+02
104	2.1198+00	5.6020+03	2.7920+01	5.4461+00	6.4461+00	5.5795+02
105	1.9870+00	5.5940+03	2.7780+01	5.6671+00	6.6671+00	5.7593+02
106	2.0387+00	5.5940+03	2.8460+01	5.6442+00	6.6442+00	5.6274+02
107	2.0442+00	5.6000+03	2.7580+01	5.5147+00	6.5147+00	5.6633+02

ENDURANCE TEST PERFORMANCE

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
81	5.4300+00	5.5609+00	6.7990+00	2.4881+01	9.9379-01	6.4670+02
82	5.5200+00	5.6781+00	6.9350+00	2.5047+01	9.9406-01	6.6119+02
83	5.3900+00	5.4811+00	6.7381+00	2.5114+01	9.9412-01	6.6763+02
84	5.4400+00	5.4811+00	6.6536+00	2.5180+01	9.9518-01	6.8182+02
85	5.5600+00	5.6359+00	6.7709+00	2.5256+01	9.9516-01	6.6188+02
86	5.5200+00	5.5843+00	6.6255+00	2.4962+01	9.9539-01	6.6328+02
87	5.6500+00	5.6547+00	6.6489+00	2.4962+01	9.9585-01	6.5504+02
88	5.6300+00	5.5749+00	6.5129+00	2.4801+01	9.9563-01	6.3702+02
89	5.6100+00	5.6453+00	6.7005+00	2.5033+01	9.9524-01	6.3480+02
90	5.5800+00	5.5937+00	6.6536+00	2.4843+01	9.9508-01	6.4700+02
91	5.6100+00	5.6500+00	6.6771+00	2.4791+01	9.9485-01	6.5315+02
92	5.4000+00	5.4389+00	6.4942+00	2.4659+01	9.9441-01	6.5321+02
93	5.3700+00	5.3686+00	6.5176+00	2.4796+01	9.9451-01	6.6299+02
94	5.3000+00	5.3311+00	6.4848+00	2.4549+01	9.9345-01	6.5635+02
95	5.3300+00	5.4858+00	6.7005+00	2.4777+01	9.9386-01	6.5943+02
96	5.3500+00	5.4577+00	6.6443+00	2.4786+01	9.9399-01	6.4070+02
97	5.4600+00	5.5187+00	6.6255+00	2.4910+01	9.9485-01	6.5654+02
98	5.4600+00	5.5093+00	6.6255+00	2.4914+01	9.9485-01	6.5976+02
99	5.4700+00	5.5327+00	6.6630+00	2.4948+01	9.9463-01	6.4767+02
100	5.5100+00	5.5984+00	6.6208+00	2.4777+01	9.9511-01	6.4483+02
101	5.3100+00	5.3545+00	6.3769+00	2.4768+01	9.9482-01	6.4033+02
102	5.5200+00	5.4952+00	6.5036+00	2.4962+01	9.9555-01	6.5966+02
103	5.6200+00	5.5702+00	6.6302+00	2.4862+01	9.9562-01	6.4737+02
104	5.2800+00	5.2982+00	6.3629+00	2.4796+01	9.9389-01	6.4614+02
105	5.2600+00	5.2654+00	6.3441+00	2.4834+01	9.9453-01	6.6467+02
106	5.4700+00	5.5374+00	6.6958+00	2.4933+01	9.9433-01	6.5021+02
107	5.5500+00	5.6218+00	6.7803+00	2.5128+01	9.9484-01	6.5572+02

ENDURANCE TEST PERFORMANCE

	388 Q COR	389 SCAN	550	551	552	556
81	6.5359+02	2.0000+00	7.5000+01	9.2065+04	4.3000+02	1.5400+02
82	6.6647+02	1.0000+00	7.6000+01	9.2065+04	6.3000+02	1.5600+02
83	6.7114+02	1.0000+00	7.7000+01	9.2065+04	8.4400+02	1.5823+02
84	6.7702+02	1.0000+00	7.8000+01	9.2065+04	1.0280+03	1.5997+02
85	6.5757+02	2.0000+00	7.8000+01	9.2065+04	1.0320+03	1.6003+02
86	6.6845+02	1.0000+00	7.9000+01	9.2065+04	1.2280+03	1.6197+02
87	6.6352+02	1.0000+00	8.0000+01	9.2065+04	1.4280+03	1.6397+02
88	6.4500+02	1.0000+00	8.1000+01	9.2065+04	1.6300+03	1.6600+02
89	6.4124+02	1.0000+00	8.2000+01	9.2065+04	1.8250+03	1.6792+02
90	6.5576+02	1.0000+00	8.3000+01	9.2065+04	2.0250+03	1.6992+02
91	6.6580+02	1.0000+00	8.4000+01	9.2065+04	2.2300+03	1.7200+02
92	6.6475+02	1.0000+00	8.5000+01	9.2165+04	3.0000+01	1.7400+02
93	6.6525+02	1.0000+00	8.6000+01	9.2165+04	2.3000+02	1.7600+02
94	6.6533+02	1.0000+00	8.7000+01	9.2165+04	4.3000+02	1.7800+02
95	6.6726+02	1.0000+00	8.8000+01	9.2165+04	6.3000+02	1.8000+02
96	6.5016+02	1.0000+00	8.9000+01	9.2165+04	8.2900+02	1.8198+02
97	6.5781+02	1.0000+00	9.0000+01	9.2165+04	1.0270+03	1.8395+02
98	6.6102+02	2.0000+00	9.0000+01	9.2165+04	1.0270+03	1.8395+02
99	6.4959+02	3.0000+00	9.0000+01	9.2165+04	1.0270+03	1.8395+02
100	6.5675+02	1.0000+00	9.1000+01	9.2165+04	1.2290+03	1.8598+02
101	6.4598+02	1.0000+00	9.2000+01	9.2165+04	1.4290+03	1.8798+02
102	6.6440+02	1.0000+00	9.3000+01	9.2165+04	1.6300+03	1.9000+02
103	6.5865+02	1.0000+00	9.4000+01	9.2165+04	1.8250+03	1.9192+02
104	6.5026+02	1.0000+00	9.5000+01	9.2165+04	1.9450+03	1.9325+02
105	6.6787+02	1.0000+00	9.6000+01	9.2165+04	2.0250+03	1.9392+02
106	6.5892+02	1.0000+00	9.7000+01	9.2165+04	2.2250+03	1.9592+02
107	6.6034+02	1.0000+00	9.8000+01	9.2265+04	3.0000+01	1.9800+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

September 22 to September 24

ENDURANCE TEST PERFORMANCE

	104 READ	105 DATE	106 HOUR	113 RPM	120 QWB 88	126 QST 87
1	9.9000+01	9.2265+04	2.3000+02	1.8290+04	4.1924+02	7.0900+00
2	1.0000+02	9.2265+04	4.3000+02	1.8318+04	4.0472+02	5.5650+00
3	1.0100+02	9.2265+04	6.3000+02	1.8115+04	4.0272+02	6.9800+00
4	1.0200+02	9.2265+04	8.2700+02	1.8178+04	3.9852+02	5.0850+00
5	1.0300+02	9.2265+04	1.0250+03	1.8295+04	4.0912+02	5.9400+00
6	1.0400+02	9.2265+04	1.2330+03	1.8425+04	4.1080+02	3.8800+00
7	1.0400+02	9.2265+04	1.2330+03	1.8241+04	4.1408+02	4.0550+00
8	1.0600+02	9.2265+04	1.6300+03	1.8287+04	4.1924+02	9.3450+00
9	1.0700+02	9.2265+04	1.8200+03	1.8270+04	4.1224+02	8.6150+00
10	1.0800+02	9.2265+04	2.0250+03	1.8147+04	4.1740+02	7.7400+00
11	1.0900+02	9.2265+04	2.2300+03	1.8228+04	4.0768+02	9.0950+00
12	1.1000+02	9.2365+04	3.0000+01	1.8375+04	4.0172+02	7.2450+00
13	1.1100+02	9.2365+04	2.3000+02	1.8299+04	3.9780+02	7.8300+00
14	1.1200+02	9.2365+04	4.3000+02	1.8048+04	3.9932+02	4.7950+00
15	1.1300+02	9.2365+04	6.3000+02	1.8020+04	3.8744+02	8.1750+00
16	1.1400+02	9.2365+04	8.2800+02	1.8147+04	4.0608+02	7.1250+00
17	1.1500+02	9.2365+04	1.0280+03	1.8332+04	4.1732+02	1.0380+01
18	1.1500+02	9.2365+04	1.0280+03	1.8332+04	4.1652+02	1.0235+01
19	1.1600+02	9.2365+04	1.2260+03	1.8160+04	4.2184+02	9.8600+00
20	1.1700+02	9.2365+04	1.4280+03	1.8176+04	4.1604+02	8.1100+00
21	1.1900+02	9.2365+04	1.6280+03	1.8274+04	4.1444+02	8.3050+00
22	1.2000+02	9.2365+04	1.8250+03	1.8201+04	4.2696+02	8.8200+00
23	1.2100+02	9.2365+04	2.0250+03	1.8101+04	4.1680+02	8.4400+00
24	1.2200+02	9.2365+04	2.2200+03	1.8214+04	4.1536+02	8.8750+00
25	1.2300+02	9.2465+04	3.0000+01	1.8123+04	4.0796+02	8.4150+00
26	1.2400+02	9.2465+04	2.3000+02	1.8127+04	4.1468+02	9.6850+00
27	1.2500+02	9.2465+04	4.3000+02	1.8125+04	4.2288+02	9.4200+00
28	1.2600+02	9.2465+04	6.3000+02	1.8209+04	4.1328+02	9.4300+00
29	1.2700+02	9.2465+04	8.0200+02	10.0000-01	-1.8596+02	9.8135+01

ENDURANCE TEST PERFORMANCE

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.6937+01	5.0909+02	1.4601+03	1.4885+03	1.5282+03	1.4743+03
2	9.7088+01	4.9624+02	1.4606+03	1.4885+03	1.5286+03	1.4745+03
3	9.6009+01	4.9175+02	1.4598+03	1.4881+03	1.5278+03	1.4740+03
4	9.6346+01	4.8978+02	1.4619+03	1.4903+03	1.5300+03	1.4761+03
5	9.6963+01	5.0014+02	1.4587+03	1.4871+03	1.5268+03	1.4729+03
6	9.7655+01	5.0458+02	1.4582+03	1.4870+03	1.5272+03	1.4726+03
7	9.6677+01	5.0670+02	1.4582+03	1.4870+03	1.5272+03	1.4726+03
8	9.6921+01	5.0682+02	1.4593+03	1.4885+03	1.5282+03	1.4739+03
9	9.6834+01	5.0046+02	1.4596+03	1.4889+03	1.5291+03	1.4743+03
10	9.6182+01	5.0584+02	1.4603+03	1.4896+03	1.5298+03	1.4750+03
11	9.6608+01	4.9519+02	1.4590+03	1.4883+03	1.5289+03	1.4737+03
12	9.7387+01	4.9186+02	1.4578+03	1.4870+03	1.5276+03	1.4724+03
13	9.6985+01	4.8695+02	1.4570+03	1.4871+03	1.5273+03	1.4720+03
14	9.5657+01	4.9018+02	1.4583+03	1.4880+03	1.5286+03	1.4732+03
15	9.5506+01	4.7477+02	1.4537+03	1.4835+03	1.5242+03	1.4686+03
16	9.6182+01	4.9514+02	1.4565+03	1.4866+03	1.5268+03	1.4715+03
17	9.7162+01	5.0410+02	1.4594+03	1.4896+03	1.5302+03	1.4745+03
18	9.7162+01	5.0345+02	1.4596+03	1.4897+03	1.5299+03	1.4747+03
19	9.6251+01	5.0823+02	1.4588+03	1.4894+03	1.5300+03	1.4741+03
20	9.6335+01	5.0427+02	1.4578+03	1.4884+03	1.5290+03	1.4731+03
21	9.6855+01	5.0299+02	1.4580+03	1.4886+03	1.5288+03	1.4733+03
22	9.6465+01	5.1461+02	1.4590+03	1.4896+03	1.5302+03	1.4743+03
23	9.5938+01	5.0430+02	1.4571+03	1.4882+03	1.5288+03	1.4726+03
24	9.6537+01	5.0302+02	1.4568+03	1.4875+03	1.5285+03	1.4722+03
25	9.6052+01	4.9560+02	1.4542+03	1.4852+03	1.5259+03	1.4697+03
26	9.6073+01	5.0107+02	1.4545+03	1.4860+03	1.5271+03	1.4703+03
27	9.6062+01	5.0952+02	1.4582+03	1.4897+03	1.5303+03	1.4739+03
28	9.6508+01	5.0036+02	1.4557+03	1.4872+03	1.5283+03	1.4715+03
29	5.3000-03	-2.8409+02	1.3945+03	1.4218+03	1.4869+03	1.4082+03

ENDURANCE TEST PERFORMANCE

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2179+03	1.2280+03	1.9046+02	1.2239+03	1.2259+03	1.2361+03
2	1.2288+03	1.2383+03	1.8753+02	1.2363+03	1.2373+03	1.2473+03
3	1.2272+03	1.2372+03	1.9096+02	1.2351+03	1.2362+03	1.2462+03
4	1.2315+03	1.2408+03	1.8714+02	1.2396+03	1.2402+03	1.2503+03
5	1.2179+03	1.2283+03	1.9210+02	1.2243+03	1.2263+03	1.2361+03
6	1.2164+03	1.2270+03	1.8784+02	1.2230+03	1.2250+03	1.2352+03
7	1.2187+03	1.2291+03	1.8826+02	1.2254+03	1.2273+03	1.2373+03
8	1.2226+03	1.2328+03	1.9491+02	1.2295+03	1.2311+03	1.2408+03
9	1.2279+03	1.2379+03	1.9392+02	1.2354+03	1.2367+03	1.2465+03
10	1.2273+03	1.2373+03	1.8731+02	1.2348+03	1.2360+03	1.2463+03
11	1.2257+03	1.2361+03	1.8737+02	1.2332+03	1.2347+03	1.2446+03
12	1.2241+03	1.2344+03	1.8568+02	1.2320+03	1.2332+03	1.2433+03
13	1.2292+03	1.2392+03	1.8667+02	1.2371+03	1.2381+03	1.2478+03
14	1.2350+03	1.2441+03	1.8126+02	1.2424+03	1.2433+03	1.2531+03
15	1.2323+03	1.2416+03	1.8248+02	1.2399+03	1.2407+03	1.2506+03
16	1.2271+03	1.2374+03	1.8389+02	1.2350+03	1.2362+03	1.2460+03
17	1.2248+03	1.2352+03	1.9025+02	1.2324+03	1.2338+03	1.2436+03
18	1.2250+03	1.2358+03	1.9036+02	1.2325+03	1.2341+03	1.2438+03
19	1.2242+03	1.2350+03	1.8837+02	1.2312+03	1.2331+03	1.2430+03
20	1.2253+03	1.2357+03	1.8993+02	1.2324+03	1.2341+03	1.2437+03
21	1.2239+03	1.2342+03	1.8891+02	1.2309+03	1.2326+03	1.2426+03
22	1.2211+03	1.2320+03	1.8463+02	1.2278+03	1.2299+03	1.2401+03
23	1.2303+03	1.2397+03	1.8764+02	1.2376+03	1.2386+03	1.2487+03
24	1.2257+03	1.2361+03	1.8654+02	1.2337+03	1.2349+03	1.2446+03
25	1.2237+03	1.2339+03	1.8517+02	1.2311+03	1.2325+03	1.2424+03
26	1.2257+03	1.2361+03	1.8600+02	1.2332+03	1.2346+03	1.2445+03
27	1.2245+03	1.2357+03	1.8380+02	1.2320+03	1.2338+03	1.2437+03
28	1.2251+03	1.2355+03	1.8137+02	1.2326+03	1.2341+03	1.2444+03
29	1.3493+03	1.3274+03	1.6638+02	1.3981+03	1.3628+03	1.3241+03

ENDURANCE TEST PERFORMANCE

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2464+03	1.2449+03	1.2444+03	1.5084+03	1.5072+03	1.4948+03
2	1.2577+03	1.2553+03	1.2555+03	1.5084+03	1.5076+03	1.4948+03
3	1.2569+03	1.2546+03	1.2543+03	1.5076+03	1.5068+03	1.4940+03
4	1.2606+03	1.2586+03	1.2584+03	1.5098+03	1.5090+03	1.4961+03
5	1.2464+03	1.2445+03	1.2443+03	1.5066+03	1.5062+03	1.4934+03
6	1.2455+03	1.2436+03	1.2433+03	1.5069+03	1.5061+03	1.4933+03
7	1.2476+03	1.2456+03	1.2454+03	1.5069+03	1.5061+03	1.4928+03
8	1.2511+03	1.2491+03	1.2488+03	1.5080+03	1.5072+03	1.4948+03
9	1.2567+03	1.2549+03	1.2545+03	1.5088+03	1.5080+03	1.4952+03
10	1.2565+03	1.2542+03	1.2542+03	1.5095+03	1.5087+03	1.4958+03
11	1.2548+03	1.2529+03	1.2526+03	1.5082+03	1.5074+03	1.4946+03
12	1.2535+03	1.2516+03	1.2513+03	1.5074+03	1.5071+03	1.4942+03
13	1.2581+03	1.2561+03	1.2559+03	1.5066+03	1.5058+03	1.4929+03
14	1.2635+03	1.2615+03	1.2613+03	1.5084+03	1.5076+03	1.4947+03
15	1.2605+03	1.2585+03	1.2584+03	1.5035+03	1.5028+03	1.4897+03
16	1.2563+03	1.2544+03	1.2541+03	1.5065+03	1.5062+03	1.4929+03
17	1.2538+03	1.2520+03	1.2517+03	1.5100+03	1.5088+03	1.4963+03
18	1.2540+03	1.2521+03	1.2518+03	1.5101+03	1.5093+03	1.4960+03
19	1.2531+03	1.2513+03	1.2511+03	1.5098+03	1.5085+03	1.4957+03
20	1.2539+03	1.2521+03	1.2518+03	1.5088+03	1.5079+03	1.4951+03
21	1.2528+03	1.2510+03	1.2507+03	1.5086+03	1.5077+03	1.4949+03
22	1.2504+03	1.2484+03	1.2482+03	1.5100+03	1.5092+03	1.4959+03
23	1.2590+03	1.2571+03	1.2568+03	1.5085+03	1.5077+03	1.4949+03
24	1.2548+03	1.2534+03	1.2528+03	1.5078+03	1.5070+03	1.4942+03
25	1.2526+03	1.2507+03	1.2505+03	1.5051+03	1.5044+03	1.4915+03
26	1.2547+03	1.2529+03	1.2526+03	1.5064+03	1.5056+03	1.4927+03
27	1.2539+03	1.2525+03	1.2519+03	1.5101+03	1.5093+03	1.4959+03
28	1.2541+03	1.2527+03	1.2521+03	1.5076+03	1.5068+03	1.4935+03
29	1.3209+03	1.3201+03	1.3165+03	1.4453+03	1.4613+03	1.4564+03

ENDURANCE TEST PERFORMANCE

	258	259	262	275	276	280
	T4-28	T4-29	T3-AVG	T5-186	T5-187	T5-AVG
1	1.4392+03	1.4333+03	1.5035+03	1.3948+03	1.3944+03	1.3945+03
2	1.4396+03	1.4337+03	1.5036+03	1.3957+03	1.3962+03	1.3960+03
3	1.4389+03	1.4330+03	1.5028+03	1.3949+03	1.3945+03	1.3948+03
4	1.4409+03	1.4350+03	1.5050+03	1.3967+03	1.3967+03	1.3968+03
5	1.4380+03	1.4320+03	1.5020+03	1.3934+03	1.3934+03	1.3934+03
6	1.4379+03	1.4320+03	1.5021+03	1.3934+03	1.3934+03	1.3934+03
7	1.4379+03	1.4324+03	1.5020+03	1.3934+03	1.3934+03	1.3935+03
8	1.4393+03	1.4334+03	1.5033+03	1.3949+03	1.3953+03	1.3952+03
9	1.4404+03	1.4345+03	1.5040+03	1.3962+03	1.3962+03	1.3962+03
10	1.4411+03	1.4352+03	1.5047+03	1.3969+03	1.3969+03	1.3969+03
11	1.4399+03	1.4336+03	1.5034+03	1.3960+03	1.3956+03	1.3957+03
12	1.4391+03	1.4332+03	1.5029+03	1.3952+03	1.3952+03	1.3952+03
13	1.4384+03	1.4325+03	1.5018+03	1.3944+03	1.3948+03	1.3947+03
14	1.4396+03	1.4337+03	1.5036+03	1.3962+03	1.3962+03	1.3963+03
15	1.4358+03	1.4293+03	1.4986+03	1.3925+03	1.3921+03	1.3924+03
16	1.4383+03	1.4324+03	1.5019+03	1.3943+03	1.3943+03	1.3945+03
17	1.4411+03	1.4352+03	1.5050+03	1.3969+03	1.3973+03	1.3972+03
18	1.4413+03	1.4349+03	1.5052+03	1.3966+03	1.3970+03	1.3969+03
19	1.4409+03	1.4346+03	1.5047+03	1.3967+03	1.3967+03	1.3967+03
20	1.4400+03	1.4340+03	1.5039+03	1.3961+03	1.3956+03	1.3958+03
21	1.4402+03	1.4339+03	1.5037+03	1.3959+03	1.3959+03	1.3959+03
22	1.4411+03	1.4348+03	1.5050+03	1.3969+03	1.3969+03	1.3969+03
23	1.4402+03	1.4343+03	1.5037+03	1.3959+03	1.3959+03	1.3959+03
24	1.4395+03	1.4336+03	1.5030+03	1.3952+03	1.3952+03	1.3953+03
25	1.4375+03	1.4311+03	1.5003+03	1.3933+03	1.3929+03	1.3932+03
26	1.4386+03	1.4323+03	1.5016+03	1.3946+03	1.3942+03	1.3945+03
27	1.4417+03	1.4353+03	1.5051+03	1.3970+03	1.3970+03	1.3970+03
28	1.4393+03	1.4330+03	1.5026+03	1.3945+03	1.3949+03	1.3949+03
29	1.4658+03	1.4638+03	1.4543+03	1.4461+03	1.4447+03	1.4444+03

ENDURANCE TEST PERFORMANCE

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TL1103	TCA122
1	1.5128+03	6.8880+01	1.9343+02	1.9814+02	1.2843+02	1.2861+03
2	1.5133+03	6.7052+01	1.9023+02	1.9896+02	1.2751+02	1.2944+03
3	1.5125+03	6.8524+01	1.9171+02	1.9990+02	1.2761+02	1.2941+03
4	1.5146+03	6.8897+01	1.9253+02	2.0024+02	1.2844+02	1.2980+03
5	1.5114+03	6.9743+01	1.9601+02	1.9935+02	1.2838+02	1.2898+03
6	1.5118+03	6.6933+01	1.9284+02	1.9844+02	1.2784+02	1.2897+03
7	1.5118+03	6.7387+01	1.9284+02	1.9802+02	1.2784+02	1.2889+03
8	1.5129+03	6.9832+01	1.9438+02	1.9901+02	1.3026+02	1.2915+03
9	1.5137+03	6.7025+01	1.9112+02	1.9936+02	1.2975+02	1.2952+03
10	1.5148+03	6.8628+01	1.9136+02	1.9833+02	1.2863+02	1.2942+03
11	1.5131+03	6.9146+01	1.9187+02	1.9880+02	1.2824+02	1.2934+03
12	1.5123+03	6.6506+01	1.8971+02	1.9930+02	1.2878+02	1.2935+03
13	1.5114+03	6.7949+01	1.9022+02	2.0062+02	1.3020+02	1.2952+03
14	1.5123+03	6.7943+01	1.8978+02	2.0020+02	1.3186+02	1.3002+03
15	1.5079+03	6.8308+01	1.8803+02	1.9970+02	1.3178+02	1.2974+03
16	1.5114+03	6.5624+01	1.9199+02	2.0016+02	1.3141+02	1.2952+03
17	1.5144+03	6.7743+01	1.9835+02	2.0210+02	1.3418+02	1.2946+03
18	1.5141+03	6.7866+01	1.9846+02	2.0179+02	1.3388+02	1.2943+03
19	1.5142+03	6.8419+01	1.9478+02	2.0063+02	1.3272+02	1.2936+03
20	1.5132+03	6.6030+01	1.9103+02	2.0053+02	1.3219+02	1.2947+03
21	1.5134+03	6.8557+01	1.9401+02	2.0118+02	1.3284+02	1.2933+03
22	1.5148+03	6.8634+01	1.9454+02	2.0083+02	1.3291+02	1.2900+03
23	1.5134+03	6.6266+01	1.9127+02	2.0241+02	1.3627+02	1.2981+03
24	1.5127+03	6.6917+01	1.9551+02	2.0259+02	1.3601+02	1.2947+03
25	1.5104+03	6.6911+01	1.9373+02	2.0217+02	1.3600+02	1.2926+03
26	1.5117+03	6.6370+01	1.9137+02	2.0292+02	1.3592+02	1.2938+03
27	1.5149+03	6.5541+01	1.9327+02	2.0300+02	1.3645+02	1.2930+03
28	1.5125+03	6.6238+01	1.9169+02	2.0280+02	1.3624+02	1.2928+03
29	1.4672+03	6.8975+01	6.7611+01	1.4198+02	1.2281+02	1.3926+03

ENDURANCE TEST PERFORMANCE

	328	329	330	390	335	340
	FLOW	RTDNET	PST185	QHB	W FLOW	QWBCAL
1	2.0717+00	5.5990+03	2.7420+01	5.7051+00	6.7051+00	5.7983+02
2	2.0374+00	5.5990+03	2.6260+01	5.4690+00	6.4690+00	5.5258+02
3	2.0126+00	5.6030+03	2.7060+01	5.3470+00	6.3470+00	5.4828+02
4	2.0249+00	5.6010+03	2.6000+01	5.5071+00	6.5071+00	5.6213+02
5	2.0439+00	5.6010+03	2.7160+01	5.5223+00	6.5223+00	5.7173+02
6	2.0409+00	5.6000+03	2.6360+01	5.4766+00	6.4766+00	5.6214+02
7	2.0580+00	5.5970+03	2.6100+01	5.3546+00	6.3546+00	5.5516+02
8	2.0122+00	5.5900+03	2.8980+01	5.6747+00	6.6747+00	5.7731+02
9	2.0251+00	5.5970+03	2.8800+01	5.5452+00	6.5452+00	5.6462+02
10	2.0251+00	5.5970+03	2.7800+01	5.6290+00	6.6290+00	5.6937+02
11	1.9813+00	5.5970+03	2.9320+01	5.4842+00	6.4842+00	5.5457+02
12	1.9777+00	5.6010+03	2.7960+01	5.4842+00	6.4842+00	5.5230+02
13	2.0128+00	5.5980+03	2.8800+01	5.5376+00	6.5376+00	5.5490+02
14	1.9949+00	5.6000+03	2.7120+01	5.4385+00	6.4385+00	5.5212+02
15	2.0066+00	5.6030+03	2.8860+01	5.5223+00	6.5223+00	5.5048+02
16	2.0160+00	5.5970+03	2.8220+01	5.4385+00	6.4385+00	5.6940+02
17	2.0100+00	5.6000+03	2.9980+01	5.4156+00	6.4156+00	5.8043+02
18	2.0125+00	5.5960+03	2.9620+01	5.4690+00	6.4690+00	5.8519+02
19	2.0629+00	5.6010+03	2.8980+01	5.5833+00	6.5833+00	5.8171+02
20	1.9987+00	5.5970+03	2.8320+01	5.4690+00	6.4690+00	5.6504+02
21	2.0178+00	5.5980+03	2.8520+01	5.5528+00	6.5528+00	5.7133+02
22	2.0299+00	5.5930+03	2.8780+01	5.7356+00	6.7356+00	5.9165+02
23	2.0381+00	5.5960+03	2.8760+01	5.6061+00	6.6061+00	5.7933+02
24	2.0393+00	5.5970+03	2.9200+01	5.3317+00	6.3317+00	5.6773+02
25	2.0100+00	5.6000+03	2.9060+01	5.4995+00	6.4995+00	5.7759+02
26	1.9895+00	5.6020+03	2.9980+01	5.4842+00	6.4842+00	5.6790+02
27	2.0243+00	5.6020+03	2.9840+01	5.4614+00	6.4614+00	5.7825+02
28	2.0084+00	5.6010+03	2.9680+01	5.5681+00	6.5681+00	5.7470+02
29	1.8960-02	5.5990+03	5.4700+01	9.5450+00	1.0545+01	1.8000+02

ENDURANCE TEST PERFORMANCE

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
1	5.2700+00	5.3311+00	6.5317+00	2.4853+01	9.9376-01	6.6968+02
2	5.6700+00	5.7719+00	6.9444+00	2.4967+01	9.9405-01	6.4410+02
3	5.7100+00	5.7344+00	6.9303+00	2.4810+01	9.9411-01	6.3730+02
4	5.8500+00	5.8845+00	6.9163+00	2.5009+01	9.9508-01	6.5339+02
5	5.3600+00	5.3170+00	6.4520+00	2.4720+01	9.9509-01	6.6275+02
6	5.3500+00	5.2935+00	6.4051+00	2.4758+01	9.9526-01	6.5591+02
7	5.3800+00	5.3780+00	6.4613+00	2.4696+01	9.9484-01	6.4778+02
8	5.6600+00	5.5890+00	6.4942+00	2.4943+01	9.9524-01	6.6488+02
9	5.8600+00	5.7578+00	6.7099+00	2.4995+01	9.9524-01	6.5284+02
10	5.8600+00	5.7860+00	6.7850+00	2.5090+01	9.9461-01	6.5781+02
11	5.6000+00	5.7109+00	6.9022+00	2.4896+01	9.9401-01	6.4208+02
12	5.6000+00	5.6687+00	6.8459+00	2.4839+01	9.9430-01	6.4244+02
13	5.7200+00	5.8188+00	6.9913+00	2.4744+01	9.9418-01	6.4405+02
14	5.8500+00	5.9970+00	7.2727+00	2.4967+01	9.9420-01	6.4298+02
15	5.6700+00	5.8845+00	7.1789+00	2.4341+01	9.9417-01	6.3781+02
16	5.6100+00	5.7297+00	6.9538+00	2.4720+01	9.9434-01	6.5845+02
17	5.5600+00	5.6406+00	6.8553+00	2.5014+01	9.9446-01	6.6722+02
18	5.5600+00	5.6640+00	6.8600+00	2.5090+01	9.9433-01	6.7212+02
19	5.5500+00	5.6125+00	6.7990+00	2.5005+01	9.9444-01	6.6810+02
20	5.5800+00	5.6031+00	6.7850+00	2.4905+01	9.9483-01	6.5327+02
21	5.7500+00	5.6078+00	6.6020+00	2.4929+01	9.9523-01	6.5988+02
22	5.6100+00	5.4999+00	6.5786+00	2.5038+01	9.9446-01	6.7930+02
23	5.7800+00	5.8188+00	6.9960+00	2.4910+01	9.9482-01	6.6683+02
24	5.6500+00	5.6734+00	6.9350+00	2.4877+01	9.9421-01	6.5540+02
25	5.5800+00	5.6078+00	6.8741+00	2.4602+01	9.9407-01	6.6523+02
26	5.6400+00	5.6594+00	6.9257+00	2.4687+01	9.9411-01	6.5429+02
27	5.6100+00	5.6687+00	6.9960+00	2.5099+01	9.9342-01	6.6489+02
28	5.6600+00	5.7109+00	7.0054+00	2.4905+01	9.9342-01	6.6177+02
29	2.7070+01	2.7777+01	2.9424+01	2.7123+01	9.6067-01	8.1870+01

ENDURANCE TEST PERFORMANCE

	388 Q COR	389 SCAN	550	551	552	556
1	6.7409+02	1.0000+00	9.9000+01	9.2265+04	2.3000+02	2.0000+02
2	6.5815+02	1.0000+00	1.0000+02	9.2265+04	4.3000+02	2.0200+02
3	6.4921+02	1.0000+00	1.0100+02	9.2265+04	6.3000+02	2.0400+02
4	6.6395+02	1.0000+00	1.0200+02	9.2265+04	8.2700+02	2.0595+02
5	6.7267+02	1.0000+00	1.0300+02	9.2265+04	1.0250+03	2.0792+02
6	6.6721+02	1.0000+00	1.0400+02	9.2265+04	1.2330+03	2.1005+02
7	6.5817+02	2.0000+00	1.0400+02	9.2265+04	1.2330+03	2.1005+02
8	6.7271+02	1.0000+00	1.0600+02	9.2265+04	1.6300+03	2.1400+02
9	6.6432+02	1.0000+00	1.0700+02	9.2265+04	1.8200+03	2.1583+02
10	6.6220+02	1.0000+00	1.0800+02	9.2265+04	2.0250+03	2.1792+02
11	6.5358+02	1.0000+00	1.0900+02	9.2265+04	2.2300+03	2.2000+02
12	6.5906+02	1.0000+00	1.1000+02	9.2365+04	3.0000+01	2.2200+02
13	6.6632+02	1.0000+00	1.1100+02	9.2365+04	2.3000+02	2.2400+02
14	6.5694+02	1.0000+00	1.1200+02	9.2365+04	4.3000+02	2.2600+02
15	6.6870+02	1.0000+00	1.1300+02	9.2365+04	6.3000+02	2.2800+02
16	6.7570+02	1.0000+00	1.1400+02	9.2365+04	8.2800+02	2.2997+02
17	6.7653+02	1.0000+00	1.1500+02	9.2365+04	1.0280+03	2.3197+02
18	6.7960+02	2.0000+00	1.1500+02	9.2365+04	1.0280+03	2.3197+02
19	6.7269+02	1.0000+00	1.1600+02	9.2365+04	1.2260+03	2.3393+02
20	6.6298+02	1.0000+00	1.1700+02	9.2365+04	1.4280+03	2.3597+02
21	6.6978+02	1.0000+00	1.1900+02	9.2365+04	1.6280+03	2.3797+02
22	6.8053+02	1.0000+00	1.2000+02	9.2365+04	1.8250+03	2.3992+02
23	6.7925+02	1.0000+00	1.2100+02	9.2365+04	2.0250+03	2.4192+02
24	6.6850+02	1.0000+00	1.2200+02	9.2365+04	2.2200+03	2.4383+02
25	6.8289+02	1.0000+00	1.2300+02	9.2465+04	3.0000+01	2.4600+02
26	6.7139+02	1.0000+00	1.2400+02	9.2465+04	2.3000+02	2.4800+02
27	6.6697+02	1.0000+00	1.2500+02	9.2465+04	4.3000+02	2.5000+02
28	6.7368+02	1.0000+00	1.2600+02	9.2465+04	6.3000+02	2.5200+02
29	-2.6900+02	1.0000+00	1.2700+02	9.2465+04	8.0200+02	2.5353+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 8 to October 11

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
1	1.0000+00	1.0086+05	1.6350+03	1.8063+04	5.9268+02	2.0201+00
2	1.0000+00	1.0086+05	1.6350+03	1.8013+04	5.9404+02	1.8446+00
3	2.0000+00	1.0086+05	1.8300+03	1.8156+04	5.8217+02	2.9975+00
4	3.0000+00	1.0086+05	2.0450+03	1.8420+04	5.8519+02	-5.4903-02
5	4.0000+00	1.0086+05	2.2350+03	1.8198+04	5.9183+02	1.8947+00
6	5.0000+00	1.0096+05	3.0000+01	1.8181+04	5.7557+02	2.4912+00
7	6.0000+00	1.0096+05	2.3000+02	1.8148+04	5.6584+02	3.2431+00
8	7.0000+00	1.0096+05	4.3000+02	1.8046+04	5.7211+02	-9.9821-01
9	8.0000+00	1.0096+05	6.3000+02	1.8158+04	5.7344+02	1.2932+00
10	9.0000+00	1.0096+05	8.3000+02	1.8091+04	5.7473+02	5.0075+00
11	1.0000+01	1.0096+05	1.0310+03	1.8331+04	5.6386+02	3.0627+00
12	1.1000+01	1.0096+05	1.2300+03	1.8283+04	5.7722+02	4.3158+00
13	1.1000+01	1.0096+05	1.2300+03	1.8198+04	5.7553+02	4.4311+00
14	1.2000+01	1.0096+05	1.4300+03	1.8202+04	5.7594+02	3.7694+00
15	1.3000+01	1.0096+05	1.6300+03	1.8340+04	5.6913+02	2.6917+00
16	1.4000+01	1.0096+05	1.8300+03	1.8375+04	5.7066+02	3.3584+00
17	1.5000+01	1.0096+05	2.0380+03	1.8177+04	5.7042+02	5.8647-01
18	1.6000+01	1.0096+05	2.2250+03	1.8117+04	5.7449+02	2.8020+00
19	1.7000+01	1.0106+05	3.0000+01	1.8124+04	5.8080+02	2.6917+00
20	1.8000+01	1.0106+05	2.3000+02	1.8147+04	5.7050+02	1.7945+00
21	1.9000+01	1.0106+05	4.3000+02	1.8143+04	5.7312+02	1.4486+00
22	2.0000+01	1.0106+05	6.3000+02	1.8191+04	5.7227+02	2.6316+00
23	2.1000+01	1.0106+05	8.3000+02	1.8288+04	5.6117+02	3.0627+00
24	2.2000+01	1.0106+05	1.0300+03	1.8148+04	5.8157+02	5.7794+00
25	2.3000+01	1.0106+05	1.2300+03	1.8374+04	5.7920+02	3.8396+00
26	2.4000+01	1.0106+05	1.4300+03	1.8336+04	5.7541+02	5.3734+00
27	2.5000+01	1.0106+05	1.6300+03	1.8168+04	5.7243+02	2.7118+00
28	2.6000+01	1.0106+05	1.8300+03	1.8258+04	5.6274+02	3.7494+00
29	2.7000+01	1.0106+05	2.0200+03	1.8292+04	5.5741+02	2.1905+00
30	2.8000+01	1.0106+05	2.2300+03	1.8120+04	5.6551+02	2.3910+00
31	2.9000+01	1.0116+05	3.0000+01	1.8030+04	5.6769+02	1.5439+00
32	3.0000+01	1.0116+05	2.3000+02	1.8103+04	5.7231+02	1.8095+00
33	3.1000+01	1.0116+05	4.3000+02	1.8117+04	5.7300+02	1.5288+00
34	3.2000+01	1.0116+05	6.3000+02	1.8184+04	5.6918+02	2.1554+00
35	3.3000+01	1.0116+05	8.3000+02	1.8190+04	5.6596+02	2.6917+00
36	3.4000+01	1.0116+05	1.0300+03	1.8192+04	5.6632+02	2.9925+00
37	3.4000+01	1.0116+05	1.0300+03	1.8161+04	5.8813+02	3.2782+00
38	3.5000+01	1.0116+05	1.2300+03	1.8218+04	5.8093+02	3.9398+00
39	3.6000+01	1.0116+05	1.4300+03	1.8307+04	5.8149+02	4.1404+00
40	3.7000+01	1.0116+05	1.6300+03	1.8195+04	5.9517+02	2.7368+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.5737+01	6.8639+02	1.4930+03	1.4901+03	1.5147+03	1.4915+03
2	9.5469+01	6.8767+02	1.4927+03	1.4899+03	1.5149+03	1.4913+03
3	9.6227+01	6.7540+02	1.4943+03	1.4915+03	1.5157+03	1.4929+03
4	9.7629+01	6.8287+02	1.4977+03	1.4957+03	1.5194+03	1.4967+03
5	9.6452+01	6.8639+02	1.4998+03	1.4973+03	1.5209+03	1.4986+03
6	9.6362+01	6.6944+02	1.4991+03	1.4967+03	1.5203+03	1.4979+03
7	9.6187+01	6.5878+02	1.4961+03	1.4936+03	1.5174+03	1.4949+03
8	9.5646+01	6.6876+02	1.4980+03	1.4960+03	1.5188+03	1.4970+03
9	9.6237+01	6.6838+02	1.4989+03	1.4964+03	1.5196+03	1.4976+03
10	9.5885+01	6.6561+02	1.4981+03	1.4961+03	1.5189+03	1.4971+03
11	9.7154+01	6.5795+02	1.4967+03	1.4947+03	1.5176+03	1.4957+03
12	9.6900+01	6.6981+02	1.4979+03	1.4959+03	1.5187+03	1.4969+03
13	9.6449+01	6.6755+02	1.4993+03	1.4972+03	1.5196+03	1.4983+03
14	9.6473+01	6.6864+02	1.4979+03	1.4959+03	1.5184+03	1.4969+03
15	9.7205+01	6.6365+02	1.4978+03	1.4958+03	1.5183+03	1.4968+03
16	9.7387+01	6.6469+02	1.4990+03	1.4965+03	1.5189+03	1.4977+03
17	9.6341+01	6.6618+02	1.4977+03	1.4957+03	1.5181+03	1.4967+03
18	9.6023+01	6.6771+02	1.4988+03	1.4968+03	1.5195+03	1.4978+03
19	9.6060+01	6.7417+02	1.4991+03	1.4971+03	1.5198+03	1.4981+03
20	9.6179+01	6.6489+02	1.4997+03	1.4972+03	1.5199+03	1.4984+03
21	9.6158+01	6.6783+02	1.5003+03	1.4983+03	1.5209+03	1.4993+03
22	9.6415+01	6.6606+02	1.5016+03	1.4996+03	1.5222+03	1.5006+03
23	9.6929+01	6.5503+02	1.5005+03	1.4981+03	1.5203+03	1.4993+03
24	9.6184+01	6.7197+02	1.5013+03	1.4993+03	1.5215+03	1.5003+03
25	9.7382+01	6.7274+02	1.5017+03	1.4997+03	1.5219+03	1.5007+03
26	9.7183+01	6.6722+02	1.5012+03	1.4992+03	1.5218+03	1.5002+03
27	9.6293+01	6.6602+02	1.5024+03	1.5004+03	1.5226+03	1.5014+03
28	9.6767+01	6.5575+02	1.5031+03	1.5014+03	1.5233+03	1.5022+03
29	9.6948+01	6.5216+02	1.5026+03	1.5006+03	1.5223+03	1.5016+03
30	9.6039+01	6.5916+02	1.5031+03	1.5011+03	1.5234+03	1.5021+03
31	9.5562+01	6.6170+02	1.5026+03	1.5005+03	1.5227+03	1.5016+03
32	9.5949+01	6.6645+02	1.5038+03	1.5017+03	1.5240+03	1.5027+03
33	9.6023+01	6.6749+02	1.5035+03	1.5010+03	1.5233+03	1.5023+03
34	9.6375+01	6.6339+02	1.5014+03	1.4994+03	1.5215+03	1.5004+03
35	9.6410+01	6.5967+02	1.5009+03	1.4989+03	1.5211+03	1.4999+03
36	9.6418+01	6.5974+02	1.5025+03	1.5001+03	1.5222+03	1.5013+03
37	9.6253+01	6.8110+02	1.5022+03	1.5002+03	1.5219+03	1.5012+03
38	9.6555+01	6.7354+02	1.5021+03	1.5005+03	1.5222+03	1.5013+03
39	9.7027+01	6.7438+02	1.5028+03	1.5011+03	1.5229+03	1.5020+03
40	9.6433+01	6.8887+02	1.5039+03	1.5019+03	1.5237+03	1.5029+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2133+03	1.2262+03	1.2500+03	1.2209+03	1.2236+03	1.2348+03
2	1.2149+03	1.2281+03	1.2511+03	1.2224+03	1.2252+03	1.2354+03
3	1.2189+03	1.2314+03	1.2546+03	1.2268+03	1.2291+03	1.2391+03
4	1.2242+03	1.2375+03	1.2595+03	1.2321+03	1.2348+03	1.2443+03
5	1.2265+03	1.2394+03	1.2618+03	1.2349+03	1.2372+03	1.2468+03
6	1.2316+03	1.2434+03	1.2660+03	1.2396+03	1.2415+03	1.2516+03
7	1.2308+03	1.2422+03	1.2642+03	1.2385+03	1.2403+03	1.2496+03
8	1.2296+03	1.2420+03	1.2639+03	1.2382+03	1.2401+03	1.2497+03
9	1.2322+03	1.2435+03	1.2661+03	1.2402+03	1.2419+03	1.2517+03
10	1.2329+03	1.2437+03	1.2663+03	1.2404+03	1.2420+03	1.2523+03
11	1.2254+03	1.2378+03	1.2606+03	1.2341+03	1.2360+03	1.2456+03
12	1.2244+03	1.2373+03	1.2601+03	1.2328+03	1.2350+03	1.2445+03
13	1.2281+03	1.2406+03	1.2630+03	1.2365+03	1.2385+03	1.2480+03
14	1.2249+03	1.2377+03	1.2605+03	1.2336+03	1.2357+03	1.2455+03
15	1.2223+03	1.2356+03	1.2588+03	1.2309+03	1.2332+03	1.2431+03
16	1.2258+03	1.2387+03	1.2615+03	1.2345+03	1.2366+03	1.2468+03
17	1.2230+03	1.2358+03	1.2586+03	1.2312+03	1.2335+03	1.2430+03
18	1.2285+03	1.2410+03	1.2634+03	1.2373+03	1.2391+03	1.2492+03
19	1.2226+03	1.2359+03	1.2587+03	1.2308+03	1.2333+03	1.2430+03
20	1.2256+03	1.2385+03	1.2613+03	1.2343+03	1.2364+03	1.2463+03
21	1.2283+03	1.2407+03	1.2640+03	1.2370+03	1.2389+03	1.2489+03
22	1.2309+03	1.2427+03	1.2657+03	1.2390+03	1.2409+03	1.2509+03
23	1.2303+03	1.2422+03	1.2655+03	1.2384+03	1.2403+03	1.2512+03
24	1.2275+03	1.2404+03	1.2632+03	1.2363+03	1.2383+03	1.2482+03
25	1.2267+03	1.2395+03	1.2627+03	1.2354+03	1.2375+03	1.2469+03
26	1.2296+03	1.2419+03	1.2648+03	1.2378+03	1.2399+03	1.2497+03
27	1.2344+03	1.2460+03	1.2688+03	1.2422+03	1.2441+03	1.2542+03
28	1.2408+03	1.2524+03	1.2748+03	1.2494+03	1.2509+03	1.2610+03
29	1.2379+03	1.2498+03	1.2723+03	1.2469+03	1.2484+03	1.2578+03
30	1.2417+03	1.2533+03	1.2749+03	1.2499+03	1.2516+03	1.2611+03
31	1.2370+03	1.2489+03	1.2710+03	1.2455+03	1.2472+03	1.2569+03
32	1.2378+03	1.2493+03	1.2722+03	1.2463+03	1.2478+03	1.2573+03
33	1.2346+03	1.2463+03	1.2694+03	1.2429+03	1.2446+03	1.2544+03
34	1.2320+03	1.2442+03	1.2673+03	1.2408+03	1.2425+03	1.2528+03
35	1.2315+03	1.2438+03	1.2663+03	1.2404+03	1.2421+03	1.2515+03
36	1.2336+03	1.2457+03	1.2689+03	1.2428+03	1.2442+03	1.2539+03
37	1.2217+03	1.2345+03	1.2582+03	1.2294+03	1.2319+03	1.2425+03
38	1.2245+03	1.2378+03	1.2610+03	1.2332+03	1.2355+03	1.2451+03
39	1.2264+03	1.2393+03	1.2625+03	1.2351+03	1.2372+03	1.2470+03
40	1.2234+03	1.2367+03	1.2599+03	1.2312+03	1.2340+03	1.2448+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2439+03	1.2424+03	1.2404+03	1.5019+03	1.4998+03	1.4879+03
2	1.2453+03	1.2438+03	1.2415+03	1.5008+03	1.4991+03	1.4868+03
3	1.2486+03	1.2471+03	1.2449+03	1.5016+03	1.4999+03	1.4881+03
4	1.2541+03	1.2522+03	1.2502+03	1.5053+03	1.5041+03	1.4921+03
5	1.2571+03	1.2551+03	1.2530+03	1.5073+03	1.5056+03	1.4937+03
6	1.2615+03	1.2595+03	1.2575+03	1.5062+03	1.5046+03	1.4926+03
7	1.2599+03	1.2579+03	1.2558+03	1.5029+03	1.5017+03	1.4891+03
8	1.2601+03	1.2581+03	1.2560+03	1.5047+03	1.5032+03	1.4910+03
9	1.2616+03	1.2597+03	1.2577+03	1.5055+03	1.5043+03	1.4919+03
10	1.2622+03	1.2603+03	1.2583+03	1.5052+03	1.5037+03	1.4916+03
11	1.2558+03	1.2535+03	1.2516+03	1.5035+03	1.5019+03	1.4897+03
12	1.2547+03	1.2529+03	1.2507+03	1.5046+03	1.5035+03	1.4909+03
13	1.2583+03	1.2563+03	1.2542+03	1.5059+03	1.5043+03	1.4923+03
14	1.2552+03	1.2533+03	1.2513+03	1.5047+03	1.5031+03	1.4910+03
15	1.2528+03	1.2510+03	1.2490+03	1.5046+03	1.5030+03	1.4909+03
16	1.2567+03	1.2552+03	1.2529+03	1.5052+03	1.5040+03	1.4915+03
17	1.2527+03	1.2513+03	1.2490+03	1.5044+03	1.5033+03	1.4907+03
18	1.2591+03	1.2576+03	1.2553+03	1.5054+03	1.5043+03	1.4923+03
19	1.2532+03	1.2513+03	1.2492+03	1.5057+03	1.5046+03	1.4921+03
20	1.2560+03	1.2550+03	1.2524+03	1.5059+03	1.5047+03	1.4922+03
21	1.2588+03	1.2577+03	1.2552+03	1.5070+03	1.5053+03	1.4933+03
22	1.2608+03	1.2593+03	1.2570+03	1.5078+03	1.5065+03	1.4946+03
23	1.2607+03	1.2591+03	1.2570+03	1.5063+03	1.5050+03	1.4926+03
24	1.2581+03	1.2565+03	1.2543+03	1.5075+03	1.5062+03	1.4939+03
25	1.2572+03	1.2553+03	1.2531+03	1.5084+03	1.5066+03	1.4947+03
26	1.2596+03	1.2581+03	1.2558+03	1.5078+03	1.5066+03	1.4942+03
27	1.2641+03	1.2621+03	1.2601+03	1.5086+03	1.5074+03	1.4954+03
28	1.2704+03	1.2689+03	1.2668+03	1.5098+03	1.5085+03	1.4960+03
29	1.2676+03	1.2662+03	1.2639+03	1.5088+03	1.5076+03	1.4952+03
30	1.2714+03	1.2695+03	1.2673+03	1.5094+03	1.5077+03	1.4957+03
31	1.2667+03	1.2652+03	1.2630+03	1.5088+03	1.5075+03	1.4951+03
32	1.2675+03	1.2661+03	1.2636+03	1.5101+03	1.5088+03	1.4963+03
33	1.2647+03	1.2632+03	1.2608+03	1.5098+03	1.5085+03	1.4961+03
34	1.2627+03	1.2612+03	1.2589+03	1.5076+03	1.5063+03	1.4944+03
35	1.2619+03	1.2603+03	1.2579+03	1.5062+03	1.5050+03	1.4930+03
36	1.2642+03	1.2626+03	1.2602+03	1.5087+03	1.5070+03	1.4951+03
37	1.2518+03	1.2503+03	1.2482+03	1.5079+03	1.5067+03	1.4943+03
38	1.2553+03	1.2529+03	1.2511+03	1.5078+03	1.5065+03	1.4946+03
39	1.2573+03	1.2554+03	1.2533+03	1.5090+03	1.5077+03	1.4953+03
40	1.2545+03	1.2531+03	1.2508+03	1.5103+03	1.5090+03	1.4965+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
1	1.4327+03	1.4258+03	1.4965+03	1.3876+03	1.3834+03	1.3855+03
2	1.4329+03	1.4256+03	1.4956+03	1.3869+03	1.3832+03	1.3851+03
3	1.4342+03	1.4268+03	1.4965+03	1.3881+03	1.3840+03	1.3861+03
4	1.4376+03	1.4308+03	1.5005+03	1.3918+03	1.3881+03	1.3900+03
5	1.4395+03	1.4319+03	1.5022+03	1.3938+03	1.3896+03	1.3917+03
6	1.4389+03	1.4313+03	1.5011+03	1.3931+03	1.3894+03	1.3913+03
7	1.4361+03	1.4287+03	1.4979+03	1.3907+03	1.3866+03	1.3886+03
8	1.4375+03	1.4298+03	1.4996+03	1.3921+03	1.3880+03	1.3900+03
9	1.4382+03	1.4310+03	1.5006+03	1.3933+03	1.3887+03	1.3910+03
10	1.4380+03	1.4303+03	1.5002+03	1.3926+03	1.3885+03	1.3905+03
11	1.4367+03	1.4289+03	1.4984+03	1.3909+03	1.3867+03	1.3888+03
12	1.4374+03	1.4301+03	1.4997+03	1.3924+03	1.3883+03	1.3904+03
13	1.4378+03	1.4314+03	1.5008+03	1.3937+03	1.3891+03	1.3914+03
14	1.4378+03	1.4301+03	1.4996+03	1.3924+03	1.3879+03	1.3902+03
15	1.4377+03	1.4300+03	1.4995+03	1.3919+03	1.3878+03	1.3899+03
16	1.4375+03	1.4302+03	1.5002+03	1.3930+03	1.3888+03	1.3909+03
17	1.4376+03	1.4299+03	1.4995+03	1.3922+03	1.3877+03	1.3899+03
18	1.4390+03	1.4310+03	1.5007+03	1.3937+03	1.3891+03	1.3914+03
19	1.4389+03	1.4313+03	1.5008+03	1.3935+03	1.3885+03	1.3910+03
20	1.4394+03	1.4314+03	1.5009+03	1.3941+03	1.3895+03	1.3918+03
21	1.4400+03	1.4324+03	1.5019+03	1.3947+03	1.3901+03	1.3924+03
22	1.4412+03	1.4336+03	1.5030+03	1.3956+03	1.3908+03	1.3932+03
23	1.4393+03	1.4318+03	1.5013+03	1.3945+03	1.3902+03	1.3924+03
24	1.4405+03	1.4329+03	1.5025+03	1.3953+03	1.3906+03	1.3929+03
25	1.4404+03	1.4333+03	1.5032+03	1.3957+03	1.3909+03	1.3933+03
26	1.4399+03	1.4332+03	1.5028+03	1.3956+03	1.3908+03	1.3932+03
27	1.4407+03	1.4339+03	1.5038+03	1.3964+03	1.3916+03	1.3940+03
28	1.4422+03	1.4350+03	1.5048+03	1.3980+03	1.3935+03	1.3957+03
29	1.4409+03	1.4341+03	1.5039+03	1.3971+03	1.3926+03	1.3948+03
30	1.4423+03	1.4342+03	1.5043+03	1.3972+03	1.3927+03	1.3949+03
31	1.4417+03	1.4337+03	1.5038+03	1.3966+03	1.3921+03	1.3943+03
32	1.4421+03	1.4348+03	1.5051+03	1.3978+03	1.3933+03	1.3956+03
33	1.4427+03	1.4345+03	1.5048+03	1.3971+03	1.3926+03	1.3949+03
34	1.4410+03	1.4330+03	1.5028+03	1.3954+03	1.3914+03	1.3934+03
35	1.4384+03	1.4313+03	1.5014+03	1.3940+03	1.3902+03	1.3921+03
36	1.4408+03	1.4336+03	1.5036+03	1.3961+03	1.3917+03	1.3939+03
37	1.4400+03	1.4329+03	1.5029+03	1.3948+03	1.3905+03	1.3927+03
38	1.4399+03	1.4328+03	1.5030+03	1.3947+03	1.3908+03	1.3928+03
39	1.4410+03	1.4338+03	1.5040+03	1.3959+03	1.3919+03	1.3939+03
40	1.4414+03	1.4342+03	1.5052+03	1.3967+03	1.3926+03	1.3947+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TL1103	TCA122
1	1.5055+03	6.2599+01	1.8956+02	2.0265+02	1.3971+02	1.2820+03
2	1.5052+03	6.2356+01	1.8803+02	2.0242+02	1.3991+02	1.2808+03
3	1.5060+03	6.2731+01	1.8022+02	2.0402+02	1.4152+02	1.2835+03
4	1.5101+03	6.1359+01	1.8339+02	2.0357+02	1.3798+02	1.2882+03
5	1.5113+03	6.2066+01	1.8402+02	2.0734+02	1.4132+02	1.2946+03
6	1.5102+03	6.2308+01	1.8265+02	2.0805+02	1.4196+02	1.2985+03
7	1.5069+03	6.1490+01	1.8232+02	2.0630+02	1.4077+02	1.2958+03
8	1.5087+03	6.2108+01	1.8287+02	2.0557+02	1.4010+02	1.2965+03
9	1.5095+03	6.1137+01	1.8240+02	2.0503+02	1.3957+02	1.2982+03
10	1.5093+03	6.0885+01	1.8257+02	2.0271+02	1.3750+02	1.2970+03
11	1.5075+03	6.1700+01	1.8448+02	2.0430+02	1.3833+02	1.2952+03
12	1.5086+03	6.1561+01	1.8726+02	2.0376+02	1.3819+02	1.2950+03
13	1.5103+03	6.2878+01	1.8811+02	2.0458+02	1.3909+02	1.2968+03
14	1.5087+03	6.2473+01	1.8729+02	2.0295+02	1.3822+02	1.2942+03
15	1.5086+03	6.1482+01	1.8848+02	2.0285+02	1.3675+02	1.2958+03
16	1.5096+03	6.0796+01	1.8824+02	2.0304+02	1.3695+02	1.2960+03
17	1.5088+03	6.0897+01	1.8791+02	2.0313+02	1.3706+02	1.2936+03
18	1.5099+03	6.1098+01	1.8767+02	2.0291+02	1.3726+02	1.2950+03
19	1.5101+03	6.1823+01	1.9010+02	2.0317+02	1.3709+02	1.2932+03
20	1.5107+03	6.1940+01	1.8892+02	2.0328+02	1.3676+02	1.2945+03
21	1.5114+03	6.1691+01	1.8911+02	2.0305+02	1.3605+02	1.2970+03
22	1.5126+03	6.1607+01	1.8989+02	2.0338+02	1.3687+02	1.2987+03
23	1.5111+03	6.1007+01	1.9136+02	2.0365+02	1.3580+02	1.3016+03
24	1.5124+03	6.1781+01	1.9896+02	2.0313+02	1.3796+02	1.2975+03
25	1.5128+03	6.2177+01	2.0174+02	2.0655+02	1.4017+02	1.3014+03
26	1.5122+03	6.2527+01	1.9800+02	2.0600+02	1.4050+02	1.2992+03
27	1.5126+03	6.2881+01	1.9666+02	2.0682+02	1.4208+02	1.3029+03
28	1.5142+03	6.2650+01	1.9361+02	2.0794+02	1.4145+02	1.3052+03
29	1.5132+03	6.2620+01	1.9477+02	2.0837+02	1.4100+02	1.3035+03
30	1.5143+03	6.1865+01	1.9409+02	2.0577+02	1.3941+02	1.3053+03
31	1.5132+03	6.1697+01	1.9394+02	2.0389+02	1.3788+02	1.3035+03
32	1.5149+03	6.1622+01	1.9269+02	2.0465+02	1.3734+02	1.3051+03
33	1.5137+03	6.1769+01	1.9243+02	2.0437+02	1.3704+02	1.3019+03
34	1.5124+03	6.0957+01	1.9012+02	2.0361+02	1.3530+02	1.2998+03
35	1.5115+03	6.0036+01	1.9008+02	2.0357+02	1.3663+02	1.2994+03
36	1.5127+03	6.1658+01	1.9430+02	2.0647+02	1.4052+02	1.3018+03
37	1.5123+03	6.1296+01	1.9767+02	2.0610+02	1.4017+02	1.3031+03
38	1.5127+03	6.2072+01	1.9428+02	2.0644+02	1.4090+02	1.2960+03
39	1.5134+03	6.2340+01	1.9452+02	2.0717+02	1.4116+02	1.2999+03
40	1.5146+03	6.1799+01	1.9285+02	2.0662+02	1.4106+02	1.2971+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
1	1.9115+00	5.6030+03	1.2780+01	6.1027+00	5.1308+02	5.4491+02
2	1.9109+00	5.5990+03	1.2520+01	6.1791+00	5.1569+02	5.4767+02
3	1.9773+00	5.6010+03	1.3260+01	6.4309+00	4.9778+02	5.2877+02
4	2.0360+00	5.5860+03	1.1960+01	6.3699+00	5.0476+02	5.3613+02
5	2.0695+00	5.5970+03	1.3380+01	6.3927+00	5.1242+02	5.4422+02
6	2.0246+00	5.5990+03	1.3620+01	6.5223+00	5.1641+02	5.4843+02
7	2.0158+00	5.5980+03	1.4380+01	6.3012+00	5.0182+02	5.3304+02
8	2.0183+00	5.6010+03	1.1980+01	6.4080+00	5.1292+02	5.4475+02
9	2.0632+00	5.5980+03	1.3580+01	6.2478+00	4.9909+02	5.3015+02
10	2.0272+00	5.5940+03	1.6820+01	6.4156+00	5.1618+02	5.4818+02
11	2.0068+00	5.6010+03	1.4780+01	6.2783+00	5.0301+02	5.3429+02
12	2.0849+00	5.5970+03	1.5720+01	6.2936+00	5.1758+02	5.4967+02
13	1.9946+00	5.6050+03	1.5840+01	6.3470+00	5.2246+02	5.5481+02
14	1.9839+00	5.5990+03	1.5200+01	6.0263+00	4.9428+02	5.2507+02
15	2.0679+00	5.5970+03	1.4780+01	6.1791+00	5.1178+02	5.4355+02
16	1.9699+00	5.5940+03	1.5600+01	6.1562+00	5.1074+02	5.4244+02
17	2.0131+00	5.6030+03	1.3260+01	6.1103+00	5.1070+02	5.4240+02
18	2.0398+00	5.6030+03	1.4600+01	6.1485+00	5.1382+02	5.4570+02
19	2.0057+00	5.6070+03	1.4660+01	6.1485+00	5.2052+02	5.5277+02
20	1.9832+00	5.6080+03	1.4400+01	5.9498+00	4.9800+02	5.2900+02
21	2.0163+00	5.6080+03	1.3680+01	6.1638+00	5.1780+02	5.4990+02
22	2.0018+00	5.6080+03	1.4980+01	6.0951+00	5.1412+02	5.4602+02
23	2.0742+00	5.6000+03	1.5080+01	5.7509+00	4.9030+02	5.2088+02
24	2.0126+00	5.6030+03	1.7200+01	5.7356+00	5.1861+02	5.5076+02
25	2.0840+00	5.6030+03	1.5620+01	5.6284+00	5.1139+02	5.4313+02
26	2.0232+00	5.6020+03	1.7040+01	5.8274+00	5.1499+02	5.4694+02
27	2.0145+00	5.6050+03	1.4980+01	5.9192+00	5.2137+02	5.5366+02
28	2.0202+00	5.6060+03	1.6200+01	5.8198+00	4.9932+02	5.3040+02
29	2.0422+00	5.6030+03	1.5580+01	5.6667+00	4.8968+02	5.2022+02
30	2.0284+00	5.6040+03	1.5420+01	5.7586+00	5.0265+02	5.3391+02
31	2.0219+00	5.6010+03	1.4800+01	5.8580+00	5.1396+02	5.4584+02
32	2.0454+00	5.6060+03	1.4760+01	6.0033+00	5.1992+02	5.5214+02
33	2.0229+00	5.6050+03	1.4800+01	5.9804+00	5.1591+02	5.4791+02
34	2.0018+00	5.6020+03	1.4980+01	6.0492+00	5.1396+02	5.4585+02
35	2.0924+00	5.6010+03	1.5380+01	5.8810+00	5.0293+02	5.3420+02
36	1.9823+00	5.6030+03	1.6020+01	5.7739+00	5.0359+02	5.3490+02
37	2.0031+00	5.5990+03	1.6200+01	5.9269+00	5.3239+02	5.6530+02
38	2.0151+00	5.6030+03	1.6320+01	6.1409+00	5.3306+02	5.6601+02
39	2.0513+00	5.5980+03	1.6220+01	6.1027+00	5.2705+02	5.5966+02
40	2.0216+00	5.5970+03	1.5200+01	6.0645+00	5.2249+02	5.5486+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
1	5.7794+00	5.8860+00	6.6818+00	2.4876+01	9.9207-01	6.3863+02
2	5.7695+00	5.9099+00	6.6818+00	2.4805+01	9.9181-01	6.4129+02
3	5.8586+00	6.0864+00	6.7793+00	2.4862+01	9.9203-01	6.2200+02
4	6.1060+00	6.2868+00	6.9278+00	2.5342+01	9.9235-01	6.3381+02
5	5.9279+00	6.2677+00	7.1645+00	2.5511+01	9.9294-01	6.3878+02
6	6.0466+00	6.4538+00	7.3456+00	2.5427+01	9.9324-01	6.4231+02
7	5.9774+00	6.3870+00	7.2527+00	2.5050+01	9.9310-01	6.2598+02
8	5.9873+00	6.4013+00	7.2667+00	2.5243+01	9.9312-01	6.4140+02
9	6.0268+00	6.4586+00	7.3317+00	2.5299+01	9.9328-01	6.2510+02
10	5.9774+00	6.4681+00	7.3827+00	2.5309+01	9.9275-01	6.3906+02
11	5.8784+00	6.1628+00	6.9557+00	2.5008+01	9.9419-01	6.2838+02
12	5.8784+00	6.1246+00	6.9371+00	2.5111+01	9.9418-01	6.4225+02
13	5.9477+00	6.2487+00	7.0160+00	2.5187+01	9.9428-01	6.4683+02
14	5.8685+00	6.1771+00	6.9464+00	2.5111+01	9.9393-01	6.1777+02
15	5.8388+00	6.1055+00	6.8767+00	2.5069+01	9.9466-01	6.3806+02
16	5.8982+00	6.2009+00	6.9789+00	2.5158+01	9.9425-01	6.3647+02
17	5.7398+00	6.0435+00	6.8396+00	2.5017+01	9.9426-01	6.3816+02
18	5.9081+00	6.2057+00	7.0067+00	2.5121+01	9.9388-01	6.3892+02
19	5.7003+00	5.9767+00	6.8210+00	2.5083+01	9.9421-01	6.4614+02
20	5.7893+00	6.0769+00	6.8907+00	2.5064+01	9.9427-01	6.2338+02
21	5.8982+00	6.1628+00	7.0346+00	2.5163+01	9.9425-01	6.4461+02
22	5.8487+00	6.1914+00	7.1088+00	2.5257+01	9.9434-01	6.3980+02
23	5.8784+00	6.2964+00	7.1228+00	2.5168+01	9.9508-01	6.1474+02
24	5.7201+00	6.1341+00	6.9835+00	2.5172+01	9.9460-01	6.4116+02
25	5.7003+00	6.0673+00	6.9092+00	2.5248+01	9.9587-01	6.3667+02
26	5.8190+00	6.1675+00	6.9510+00	2.5182+01	9.9516-01	6.3875+02
27	5.9972+00	6.3059+00	7.0578+00	2.5276+01	9.9564-01	6.4725+02
28	6.1753+00	6.5254+00	7.3224+00	2.5379+01	9.9512-01	6.2342+02
29	6.0169+00	6.4156+00	7.2435+00	2.5295+01	9.9503-01	6.1498+02
30	6.1456+00	6.4920+00	7.3270+00	2.5314+01	9.9516-01	6.2755+02
31	5.8586+00	6.3822+00	7.4152+00	2.5314+01	9.9432-01	6.3986+02
32	6.0466+00	6.4156+00	7.2945+00	2.5427+01	9.9517-01	6.4628+02
33	5.8883+00	6.2964+00	7.2620+00	2.5379+01	9.9449-01	6.4240+02
34	5.8883+00	6.2391+00	7.1506+00	2.5276+01	9.9446-01	6.4007+02
35	5.7596+00	6.1866+00	7.1413+00	2.5154+01	9.9443-01	6.2792+02
36	5.7497+00	6.2916+00	7.1785+00	2.5229+01	9.9487-01	6.2832+02
37	5.3737+00	5.8526+00	6.8767+00	2.5191+01	9.9646-01	6.5827+02
38	5.4331+00	5.9385+00	6.9000+00	2.5196+01	9.9454-01	6.5862+02
39	5.6211+00	6.0292+00	6.9232+00	2.5314+01	9.9540-01	6.5255+02
40	5.6607+00	5.9958+00	6.7839+00	2.5502+01	9.9516-01	6.4855+02

ENDURANCE TEST PERFORMANCE II

	388 Q COR	389 SCAN	550 RDG	551 DATE	552 TIME	556 NO HR
1	6.6430+02	1.0000+00	1.0000+00	1.0086+05	1.6350+03	2.5408+02
2	6.6822+02	2.0000+00	1.0000+00	1.0086+05	1.6350+03	2.5408+02
3	6.6123+02	1.0000+00	2.0000+00	1.0086+05	1.8300+03	2.5600+02
4	6.6576+02	1.0000+00	3.0000+00	1.0086+05	2.0450+03	2.5825+02
5	6.5949+02	1.0000+00	4.0000+00	1.0086+05	2.2350+03	2.6008+02
6	6.5034+02	1.0000+00	5.0000+00	1.0096+05	3.0000+01	2.6200+02
7	6.5033+02	1.0000+00	6.0000+00	1.0096+05	2.3000+02	2.6400+02
8	6.4999+02	1.0000+00	7.0000+00	1.0096+05	4.3000+02	2.6600+02
9	6.5261+02	1.0000+00	8.0000+00	1.0096+05	6.3000+02	2.6800+02
10	6.4852+02	2.0000+00	9.0000+00	1.0096+05	8.3000+02	2.7000+02
11	6.4989+02	1.0000+00	1.0000+01	1.0096+05	1.0310+03	2.7202+02
12	6.5530+02	1.0000+00	1.1000+01	1.0096+05	1.2300+03	2.7400+02
13	6.5143+02	2.0000+00	1.1000+01	1.0096+05	1.2300+03	2.7400+02
14	6.5266+02	1.0000+00	1.2000+01	1.0096+05	1.4300+03	2.7600+02
15	6.4997+02	1.0000+00	1.3000+01	1.0096+05	1.6300+03	2.7800+02
16	6.5253+02	1.0000+00	1.4000+01	1.0096+05	1.8300+03	2.8000+02
17	6.4986+02	1.0000+00	1.5000+01	1.0096+05	2.0380+03	2.8213+02
18	6.5225+02	1.0000+00	1.6000+01	1.0096+05	2.2250+03	2.8392+02
19	6.5297+02	1.0000+00	1.7000+01	1.0106+05	3.0000+01	2.8600+02
20	6.4806+02	1.0000+00	1.8000+01	1.0106+05	2.3000+02	2.8800+02
21	6.5016+02	1.0000+00	1.9000+01	1.0106+05	4.3000+02	2.9000+02
22	6.4830+02	1.0000+00	2.0000+01	1.0106+05	6.3000+02	2.9200+02
23	6.4308+02	1.0000+00	2.1000+01	1.0106+05	8.3000+02	2.9400+02
24	6.5254+02	1.0000+00	2.2000+01	1.0106+05	1.0300+03	2.9600+02
25	6.5609+02	1.0000+00	2.3000+01	1.0106+05	1.2300+03	2.9800+02
26	6.5462+02	1.0000+00	2.4000+01	1.0106+05	1.4300+03	3.0000+02
27	6.5002+02	1.0000+00	2.5000+01	1.0106+05	1.6300+03	3.0200+02
28	6.4660+02	1.0000+00	2.6000+01	1.0106+05	1.8300+03	3.0400+02
29	6.4395+02	1.0000+00	2.7000+01	1.0106+05	2.0200+03	3.0583+02
30	6.4874+02	1.0000+00	2.8000+01	1.0106+05	2.2300+03	3.0800+02
31	6.4440+02	1.0000+00	2.9000+01	1.0116+05	3.0000+01	3.1000+02
32	6.4765+02	1.0000+00	3.0000+01	1.0116+05	2.3000+02	3.1200+02
33	6.4711+02	1.0000+00	3.1000+01	1.0116+05	4.3000+02	3.1400+02
34	6.4709+02	1.0000+00	3.2000+01	1.0116+05	6.3000+02	3.1600+02
35	6.4674+02	1.0000+00	3.3000+01	1.0116+05	8.3000+02	3.1800+02
36	6.4596+02	1.0000+00	3.4000+01	1.0116+05	1.0300+03	3.2000+02
37	6.5326+02	2.0000+00	3.4000+01	1.0116+05	1.0300+03	3.2000+02
38	6.5124+02	1.0000+00	3.5000+01	1.0116+05	1.2300+03	3.2200+02
39	6.5267+02	1.0000+00	3.6000+01	1.0116+05	1.4300+03	3.2400+02
40	6.5420+02	1.0000+00	3.7000+01	1.0116+05	1.6300+03	3.2600+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 11 to October 14

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
41	3.8000+01	1.0116+05	1.8300+03	1.8141+04	5.8527+02	3.1729+00
42	3.9000+01	1.0116+05	2.0350+03	1.8210+04	5.7360+02	2.7018+00
43	4.0000+01	1.0116+05	2.2300+03	1.8329+04	5.6354+02	1.6491+00
44	4.1000+01	1.0126+05	3.0000+01	1.8191+04	5.7336+02	1.8897+00
45	4.2000+01	1.0126+05	2.3000+02	1.8212+04	5.6813+02	1.4637+00
46	4.3000+01	1.0126+05	4.3000+02	1.8240+04	5.6318+02	2.0000+00
47	4.4000+01	1.0126+05	6.3000+02	1.8236+04	5.6567+02	1.7093+00
48	4.5000+01	1.0126+05	8.3000+02	1.8268+04	5.8105+02	4.0401+00
49	4.6000+01	1.0126+05	1.1160+03	1.8248+04	5.6567+02	2.3759+00
50	4.7000+01	1.0126+05	1.2340+03	1.8207+04	5.8133+02	5.5338+00
51	4.8000+01	1.0126+05	1.4240+03	1.8372+04	5.7159+02	3.4737+00
52	4.9000+01	1.0126+05	1.6300+03	1.8230+04	5.7702+02	3.5840+00
53	5.1000+01	1.0126+05	2.0400+03	1.8265+04	5.7078+02	3.1178+00
54	5.2000+01	1.0126+05	2.2250+03	1.8172+04	5.7622+02	2.9273+00
55	5.3000+01	1.0136+05	3.0000+01	1.8186+04	5.6845+02	1.0276+00
56	5.4000+01	1.0136+05	2.3000+02	1.8229+04	5.7433+02	4.3409+00
57	5.5000+01	1.0136+05	4.3000+02	1.8113+04	5.7618+02	1.5088+00
58	5.6000+01	1.0136+05	6.3000+02	1.8168+04	5.7139+02	1.0426+00
59	5.7000+01	1.0136+05	8.3000+02	1.8183+04	5.6777+02	3.3283+00
60	5.8000+01	1.0136+05	1.0300+03	1.8276+04	5.6600+02	1.1328+00
61	5.9000+01	1.0136+05	1.2300+03	1.8341+04	5.6869+02	3.3634+00
62	6.0000+01	1.0136+05	1.4300+03	1.8394+04	5.6531+02	3.9950+00
63	6.1000+01	1.0136+05	1.6250+03	1.8125+04	5.7211+02	2.6667+00
64	6.2000+01	1.0136+05	1.8300+03	1.8193+04	5.7630+02	2.1353+00
65	6.3000+01	1.0136+05	2.0300+03	1.8233+04	5.7545+02	2.9123+00
66	6.4000+01	1.0136+05	2.2300+03	1.8224+04	5.7183+02	3.1529+00
67	6.5000+01	1.0146+05	3.0000+01	1.8137+04	5.7807+02	1.7544+00
68	6.6000+01	1.0146+05	2.3000+02	1.8093+04	5.8298+02	7.2982+00
69	6.7000+01	1.0146+05	4.3000+02	1.8160+04	5.7328+02	2.4712+00
70	6.8000+01	1.0146+05	6.3000+02	1.8241+04	5.7256+02	2.6366+00
71	6.9000+01	1.0146+05	8.3000+02	1.8261+04	5.6966+02	3.7393+00
72	7.0000+01	1.0146+05	1.0300+03	1.8140+04	5.7268+02	2.5063+00
73	7.1000+01	1.0146+05	1.2300+03	1.8160+04	5.6785+02	4.0852+00
74	7.2000+01	1.0146+05	1.4300+03	1.8308+04	5.5948+02	5.4386+00
75	7.3000+01	1.0146+05	1.6300+03	1.8263+04	5.6197+02	3.7444+00
76	7.4000+01	1.0146+05	1.8300+03	1.8386+04	5.6567+02	1.6541+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
41	9.6150+01	6.7825+02	1.5028+03	1.5004+03	1.5226+03	1.5016+03
42	9.6513+01	6.6741+02	1.5009+03	1.4984+03	1.5206+03	1.4997+03
43	9.7146+01	6.5904+02	1.5014+03	1.4994+03	1.5216+03	1.5004+03
44	9.6415+01	6.6789+02	1.5034+03	1.5014+03	1.5232+03	1.5024+03
45	9.6526+01	6.6319+02	1.5010+03	1.4985+03	1.5203+03	1.4998+03
46	9.6672+01	6.5785+02	1.5022+03	1.5001+03	1.5219+03	1.5012+03
47	9.6653+01	6.6062+02	1.5041+03	1.5017+03	1.5239+03	1.5029+03
48	9.6820+01	6.7383+02	1.5058+03	1.5033+03	1.5253+03	1.5046+03
49	9.6714+01	6.6001+02	1.5008+03	1.4987+03	1.5205+03	1.4997+03
50	9.6500+01	6.7229+02	1.5022+03	1.4997+03	1.5219+03	1.5010+03
51	9.7374+01	6.6549+02	1.5019+03	1.4998+03	1.5215+03	1.5008+03
52	9.6622+01	6.7006+02	1.5037+03	1.5013+03	1.5231+03	1.5025+03
53	9.6807+01	6.6447+02	1.5034+03	1.5014+03	1.5232+03	1.5024+03
54	9.6312+01	6.6960+02	1.5047+03	1.5027+03	1.5246+03	1.5037+03
55	9.6386+01	6.6381+02	1.5028+03	1.5004+03	1.5226+03	1.5016+03
56	9.6616+01	6.6660+02	1.5014+03	1.4989+03	1.5207+03	1.5002+03
57	9.6002+01	6.7067+02	1.5041+03	1.5017+03	1.5239+03	1.5029+03
58	9.6290+01	6.6664+02	1.5045+03	1.5025+03	1.5239+03	1.5035+03
59	9.6373+01	6.6081+02	1.5011+03	1.4991+03	1.5208+03	1.5001+03
60	9.6863+01	6.6173+02	1.5017+03	1.4992+03	1.5209+03	1.5004+03
61	9.7210+01	6.6254+02	1.5007+03	1.4987+03	1.5200+03	1.4997+03
62	9.7491+01	6.5881+02	1.5017+03	1.4992+03	1.5205+03	1.5005+03
63	9.6062+01	6.6551+02	1.5026+03	1.5010+03	1.5224+03	1.5018+03
64	9.6423+01	6.7059+02	1.5058+03	1.5033+03	1.5253+03	1.5046+03
65	9.6638+01	6.6918+02	1.5044+03	1.5020+03	1.5238+03	1.5032+03
66	9.6587+01	6.6527+02	1.5057+03	1.5029+03	1.5252+03	1.5043+03
67	9.6129+01	6.7244+02	1.5055+03	1.5026+03	1.5249+03	1.5040+03
68	9.5896+01	6.7158+02	1.5045+03	1.5020+03	1.5243+03	1.5032+03
69	9.6251+01	6.6706+02	1.5050+03	1.5021+03	1.5244+03	1.5036+03
70	9.6680+01	6.6660+02	1.5048+03	1.5023+03	1.5242+03	1.5036+03
71	9.6783+01	6.6270+02	1.5037+03	1.5008+03	1.5226+03	1.5023+03
72	9.6145+01	6.6631+02	1.5021+03	1.4991+03	1.5209+03	1.5006+03
73	9.6248+01	6.6001+02	1.5024+03	1.4994+03	1.5207+03	1.5009+03
74	9.7035+01	6.5108+02	1.5015+03	1.4990+03	1.5203+03	1.5002+03
75	9.6797+01	6.5502+02	1.5036+03	1.5012+03	1.5225+03	1.5024+03
76	9.7446+01	6.6147+02	1.5052+03	1.5023+03	1.5238+03	1.5038+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
41	1.2252+03	1.2385+03	1.2617+03	1.2336+03	1.2360+03	1.2463+03
42	1.2275+03	1.2400+03	1.2636+03	1.2359+03	1.2379+03	1.2490+03
43	1.2307+03	1.2430+03	1.2659+03	1.2384+03	1.2407+03	1.2512+03
44	1.2341+03	1.2457+03	1.2689+03	1.2419+03	1.2438+03	1.2547+03
45	1.2280+03	1.2405+03	1.2637+03	1.2364+03	1.2384+03	1.2495+03
46	1.2341+03	1.2458+03	1.2685+03	1.2420+03	1.2439+03	1.2539+03
47	1.2344+03	1.2460+03	1.2692+03	1.2427+03	1.2444+03	1.2546+03
48	1.2269+03	1.2406+03	1.2638+03	1.2356+03	1.2381+03	1.2480+03
49	1.2296+03	1.2424+03	1.2648+03	1.2374+03	1.2399+03	1.2497+03
50	1.2254+03	1.2383+03	1.2615+03	1.2338+03	1.2360+03	1.2469+03
51	1.2268+03	1.2400+03	1.2628+03	1.2351+03	1.2376+03	1.2478+03
52	1.2286+03	1.2415+03	1.2648+03	1.2377+03	1.2396+03	1.2493+03
53	1.2287+03	1.2416+03	1.2645+03	1.2366+03	1.2391+03	1.2498+03
54	1.2297+03	1.2425+03	1.2659+03	1.2383+03	1.2404+03	1.2507+03
55	1.2277+03	1.2406+03	1.2638+03	1.2364+03	1.2385+03	1.2492+03
56	1.2247+03	1.2376+03	1.2612+03	1.2339+03	1.2357+03	1.2462+03
57	1.2299+03	1.2427+03	1.2656+03	1.2385+03	1.2406+03	1.2509+03
58	1.2295+03	1.2423+03	1.2656+03	1.2381+03	1.2402+03	1.2505+03
59	1.2257+03	1.2385+03	1.2617+03	1.2348+03	1.2367+03	1.2463+03
60	1.2274+03	1.2403+03	1.2635+03	1.2365+03	1.2384+03	1.2485+03
61	1.2249+03	1.2377+03	1.2610+03	1.2344+03	1.2361+03	1.2455+03
62	1.2250+03	1.2383+03	1.2619+03	1.2350+03	1.2366+03	1.2473+03
63	1.2283+03	1.2412+03	1.2645+03	1.2383+03	1.2398+03	1.2494+03
64	1.2344+03	1.2470+03	1.2705+03	1.2440+03	1.2455+03	1.2555+03
65	1.2312+03	1.2438+03	1.2669+03	1.2405+03	1.2421+03	1.2516+03
66	1.2335+03	1.2460+03	1.2696+03	1.2431+03	1.2445+03	1.2546+03
67	1.2323+03	1.2448+03	1.2680+03	1.2419+03	1.2434+03	1.2535+03
68	1.2317+03	1.2447+03	1.2678+03	1.2413+03	1.2430+03	1.2529+03
69	1.2318+03	1.2440+03	1.2679+03	1.2410+03	1.2425+03	1.2534+03
70	1.2320+03	1.2454+03	1.2686+03	1.2425+03	1.2440+03	1.2532+03
71	1.2299+03	1.2427+03	1.2656+03	1.2393+03	1.2410+03	1.2509+03
72	1.2253+03	1.2390+03	1.2622+03	1.2361+03	1.2376+03	1.2468+03
73	1.2277+03	1.2410+03	1.2642+03	1.2384+03	1.2397+03	1.2500+03
74	1.2285+03	1.2418+03	1.2646+03	1.2388+03	1.2403+03	1.2495+03
75	1.2312+03	1.2438+03	1.2669+03	1.2409+03	1.2424+03	1.2516+03
76	1.2320+03	1.2442+03	1.2682+03	1.2421+03	1.2431+03	1.2532+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
41	1.2565+03	1.2551+03	1.2526+03	1.5086+03	1.5069+03	1.4950+03
42	1.2589+03	1.2574+03	1.2551+03	1.5071+03	1.5058+03	1.4934+03
43	1.2611+03	1.2595+03	1.2572+03	1.5076+03	1.5063+03	1.4939+03
44	1.2642+03	1.2631+03	1.2607+03	1.5088+03	1.5075+03	1.4951+03
45	1.2590+03	1.2579+03	1.2555+03	1.5067+03	1.5059+03	1.4935+03
46	1.2638+03	1.2627+03	1.2602+03	1.5079+03	1.5066+03	1.4947+03
47	1.2645+03	1.2634+03	1.2608+03	1.5096+03	1.5087+03	1.4963+03
48	1.2583+03	1.2567+03	1.2543+03	1.5117+03	1.5106+03	1.4983+03
49	1.2600+03	1.2585+03	1.2561+03	1.5060+03	1.5048+03	1.4928+03
50	1.2563+03	1.2553+03	1.2528+03	1.5075+03	1.5067+03	1.4943+03
51	1.2577+03	1.2566+03	1.2540+03	1.5080+03	1.5068+03	1.4944+03
52	1.2596+03	1.2580+03	1.2556+03	1.5091+03	1.5079+03	1.4959+03
53	1.2597+03	1.2582+03	1.2559+03	1.5088+03	1.5076+03	1.4956+03
54	1.2606+03	1.2590+03	1.2567+03	1.5107+03	1.5094+03	1.4973+03
55	1.2591+03	1.2580+03	1.2554+03	1.5086+03	1.5073+03	1.4954+03
56	1.2560+03	1.2550+03	1.2524+03	1.5067+03	1.5059+03	1.4935+03
57	1.2608+03	1.2592+03	1.2570+03	1.5096+03	1.5087+03	1.4967+03
58	1.2604+03	1.2592+03	1.2567+03	1.5105+03	1.5092+03	1.4971+03
59	1.2565+03	1.2551+03	1.2526+03	1.5064+03	1.5051+03	1.4932+03
60	1.2584+03	1.2568+03	1.2546+03	1.5069+03	1.5057+03	1.4937+03
61	1.2548+03	1.2542+03	1.2515+03	1.5059+03	1.5052+03	1.4932+03
62	1.2567+03	1.2552+03	1.2531+03	1.5075+03	1.5062+03	1.4943+03
63	1.2597+03	1.2582+03	1.2558+03	1.5084+03	1.5071+03	1.4952+03
64	1.2654+03	1.2642+03	1.2617+03	1.5113+03	1.5101+03	1.4979+03
65	1.2619+03	1.2599+03	1.2578+03	1.5099+03	1.5086+03	1.4966+03
66	1.2645+03	1.2629+03	1.2606+03	1.5108+03	1.5096+03	1.4979+03
67	1.2634+03	1.2618+03	1.2595+03	1.5106+03	1.5093+03	1.4972+03
68	1.2632+03	1.2617+03	1.2592+03	1.5099+03	1.5087+03	1.4966+03
69	1.2633+03	1.2618+03	1.2595+03	1.5105+03	1.5092+03	1.4971+03
70	1.2631+03	1.2620+03	1.2594+03	1.5103+03	1.5090+03	1.4974+03
71	1.2608+03	1.2592+03	1.2570+03	1.5086+03	1.5074+03	1.4959+03
72	1.2571+03	1.2556+03	1.2531+03	1.5069+03	1.5056+03	1.4937+03
73	1.2595+03	1.2579+03	1.2558+03	1.5067+03	1.5059+03	1.4940+03
74	1.2599+03	1.2579+03	1.2558+03	1.5067+03	1.5055+03	1.4940+03
75	1.2619+03	1.2600+03	1.2578+03	1.5090+03	1.5077+03	1.4962+03
76	1.2631+03	1.2611+03	1.2591+03	1.5098+03	1.5086+03	1.4969+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
41	1.4402+03	1.4331+03	1.5035+03	1.3950+03	1.3912+03	1.3931+03
42	1.4393+03	1.4317+03	1.5021+03	1.3940+03	1.3902+03	1.3921+03
43	1.4397+03	1.4326+03	1.5026+03	1.3945+03	1.3906+03	1.3925+03
44	1.4404+03	1.4332+03	1.5038+03	1.3966+03	1.3930+03	1.3948+03
45	1.4397+03	1.4322+03	1.5020+03	1.3945+03	1.3907+03	1.3926+03
46	1.4408+03	1.4333+03	1.5031+03	1.3952+03	1.3913+03	1.3933+03
47	1.4416+03	1.4343+03	1.5049+03	1.3973+03	1.3932+03	1.3953+03
48	1.4434+03	1.4360+03	1.5069+03	1.3982+03	1.3942+03	1.3962+03
49	1.4383+03	1.4311+03	1.5012+03	1.3938+03	1.3900+03	1.3919+03
50	1.4396+03	1.4325+03	1.5028+03	1.3944+03	1.3905+03	1.3925+03
51	1.4401+03	1.4330+03	1.5031+03	1.3949+03	1.3910+03	1.3930+03
52	1.4412+03	1.4340+03	1.5043+03	1.3960+03	1.3916+03	1.3938+03
53	1.4413+03	1.4337+03	1.5040+03	1.3962+03	1.3918+03	1.3940+03
54	1.4427+03	1.4354+03	1.5058+03	1.3975+03	1.3930+03	1.3953+03
55	1.4406+03	1.4335+03	1.5038+03	1.3955+03	1.3916+03	1.3935+03
56	1.4389+03	1.4318+03	1.5020+03	1.3945+03	1.3906+03	1.3926+03
57	1.4416+03	1.4343+03	1.5050+03	1.3969+03	1.3928+03	1.3948+03
58	1.4425+03	1.4348+03	1.5056+03	1.3978+03	1.3932+03	1.3955+03
59	1.4390+03	1.4319+03	1.5016+03	1.3942+03	1.3899+03	1.3920+03
60	1.4395+03	1.4320+03	1.5021+03	1.3938+03	1.3904+03	1.3921+03
61	1.4399+03	1.4315+03	1.5014+03	1.3937+03	1.3900+03	1.3918+03
62	1.4396+03	1.4320+03	1.5026+03	1.3943+03	1.3905+03	1.3924+03
63	1.4409+03	1.4333+03	1.5036+03	1.3957+03	1.3918+03	1.3938+03
64	1.4438+03	1.4360+03	1.5065+03	1.3987+03	1.3946+03	1.3966+03
65	1.4419+03	1.4342+03	1.5050+03	1.3963+03	1.3923+03	1.3943+03
66	1.4433+03	1.4355+03	1.5061+03	1.3982+03	1.3941+03	1.3961+03
67	1.4426+03	1.4349+03	1.5057+03	1.3974+03	1.3933+03	1.3954+03
68	1.4420+03	1.4343+03	1.5051+03	1.3968+03	1.3928+03	1.3948+03
69	1.4425+03	1.4348+03	1.5056+03	1.3974+03	1.3933+03	1.3953+03
70	1.4423+03	1.4346+03	1.5056+03	1.3976+03	1.3931+03	1.3954+03
71	1.4416+03	1.4335+03	1.5040+03	1.3960+03	1.3916+03	1.3938+03
72	1.4395+03	1.4315+03	1.5021+03	1.3942+03	1.3904+03	1.3923+03
73	1.4398+03	1.4318+03	1.5022+03	1.3945+03	1.3907+03	1.3926+03
74	1.4393+03	1.4318+03	1.5021+03	1.3941+03	1.3903+03	1.3922+03
75	1.4424+03	1.4338+03	1.5043+03	1.3963+03	1.3919+03	1.3941+03
76	1.4418+03	1.4342+03	1.5051+03	1.3971+03	1.3931+03	1.3951+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
41	1.5130+03	6.1533+01	1.9262+02	2.0589+02	1.3998+02	1.2973+03
42	1.5115+03	6.1360+01	1.9049+02	2.0617+02	1.3889+02	1.2989+03
43	1.5115+03	6.0532+01	1.9133+02	2.0487+02	1.3759+02	1.3007+03
44	1.5136+03	6.1254+01	1.8610+02	2.0515+02	1.3742+02	1.3031+03
45	1.5116+03	6.0118+01	1.8504+02	2.0365+02	1.3580+02	1.2994+03
46	1.5128+03	5.9947+01	1.8410+02	2.0307+02	1.3349+02	1.3010+03
47	1.5148+03	6.1553+01	1.8596+02	2.0417+02	1.3545+02	1.3029+03
48	1.5162+03	6.2440+01	1.9184+02	2.0591+02	1.3773+02	1.3000+03
49	1.5104+03	6.1212+01	1.8649+02	2.0556+02	1.3874+02	1.2965+03
50	1.5119+03	6.1762+01	1.9164+02	2.0612+02	1.4020+02	1.2970+03
51	1.5120+03	6.1838+01	1.8968+02	2.0666+02	1.3984+02	1.2976+03
52	1.5135+03	6.2488+01	1.9149+02	2.0778+02	1.4130+02	1.2991+03
53	1.5132+03	6.1739+01	1.9122+02	2.0519+02	1.3746+02	1.2988+03
54	1.5151+03	6.1769+01	1.9125+02	2.0437+02	1.3658+02	1.3002+03
55	1.5130+03	6.1520+01	1.8808+02	2.0372+02	1.3497+02	1.2991+03
56	1.5120+03	6.0546+01	1.8714+02	2.0322+02	1.3364+02	1.2971+03
57	1.5144+03	6.1110+01	1.8725+02	2.0417+02	1.3458+02	1.3008+03
58	1.5148+03	6.1553+01	1.8768+02	2.0458+02	1.3500+02	1.3012+03
59	1.5112+03	6.1553+01	1.8984+02	2.0458+02	1.3636+02	1.2973+03
60	1.5113+03	6.1206+01	1.9193+02	2.0601+02	1.3828+02	1.2983+03
61	1.5108+03	6.1586+01	1.9069+02	2.0731+02	1.4045+02	1.2964+03
62	1.5114+03	6.2168+01	1.9042+02	2.0745+02	1.4058+02	1.2984+03
63	1.5123+03	6.3539+01	1.9243+02	2.0931+02	1.4353+02	1.2998+03
64	1.5162+03	6.2456+01	1.9344+02	2.0956+02	1.4251+02	1.3042+03
65	1.5143+03	6.1431+01	1.9015+02	2.0669+02	1.3942+02	1.3011+03
66	1.5157+03	6.1943+01	1.9140+02	2.0540+02	1.3813+02	1.3024+03
67	1.5149+03	6.1206+01	1.9035+02	2.0467+02	1.3692+02	1.3026+03
68	1.5148+03	6.1038+01	1.8891+02	2.0327+02	1.3584+02	1.3020+03
69	1.5149+03	6.1155+01	1.8859+02	2.0338+02	1.3505+02	1.3030+03
70	1.5147+03	6.0951+01	1.9011+02	2.0360+02	1.3529+02	1.3032+03
71	1.5135+03	6.0672+01	1.9106+02	2.0459+02	1.3637+02	1.3008+03
72	1.5113+03	6.1176+01	1.9151+02	2.0598+02	1.4048+02	1.2982+03
73	1.5116+03	6.2802+01	1.9493+02	2.0628+02	1.4034+02	1.3012+03
74	1.5107+03	6.2791+01	1.9533+02	2.0581+02	1.4033+02	1.2995+03
75	1.5134+03	6.2348+01	1.9533+02	2.0536+02	1.3854+02	1.3003+03
76	1.5142+03	6.2707+01	1.9484+02	2.0483+02	1.3891+02	1.3015+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
41	2.0541+00	5.5970+03	1.5560+01	6.1180+00	5.2878+02	5.6149+02
42	2.0093+00	5.5970+03	1.5380+01	6.0110+00	5.0986+02	5.4152+02
43	2.0516+00	5.5900+03	1.5300+01	5.8580+00	5.0003+02	5.3114+02
44	2.0305+00	5.5940+03	1.4620+01	6.2936+00	5.1666+02	5.4870+02
45	2.0091+00	5.5960+03	1.4780+01	6.2401+00	5.1200+02	5.4378+02
46	2.0045+00	5.5970+03	1.5160+01	6.2707+00	5.1057+02	5.4226+02
47	2.0217+00	5.6000+03	1.4260+01	6.2554+00	5.1046+02	5.4215+02
48	2.0609+00	5.5990+03	1.6020+01	6.2401+00	5.2874+02	5.6145+02
49	2.0158+00	5.5990+03	1.4700+01	6.2096+00	5.0995+02	5.4161+02
50	2.0015+00	5.6020+03	1.7160+01	6.1943+00	5.2852+02	5.6121+02
51	2.0141+00	5.6000+03	1.5460+01	6.3012+00	5.2448+02	5.5695+02
52	2.0094+00	5.6020+03	1.5800+01	6.1103+00	5.1721+02	5.4927+02
53	2.0075+00	5.6020+03	1.6000+01	6.1180+00	5.1877+02	5.5093+02
54	2.0141+00	5.6040+03	1.5380+01	6.2325+00	5.3119+02	5.6403+02
55	2.0276+00	5.6040+03	1.3620+01	6.2783+00	5.2264+02	5.5501+02
56	2.0350+00	5.5970+03	1.6580+01	6.2554+00	5.1961+02	5.5181+02
57	2.0376+00	5.6020+03	1.4020+01	6.3927+00	5.3253+02	5.6545+02
58	2.0249+00	5.5970+03	1.4180+01	6.2478+00	5.1884+02	5.5100+02
59	2.0844+00	5.6030+03	1.5600+01	6.1943+00	5.2273+02	5.5511+02
60	2.0029+00	5.6000+03	1.4120+01	5.9957+00	5.1299+02	5.4482+02
61	2.0160+00	5.5980+03	1.5980+01	6.1409+00	5.1705+02	5.4910+02
62	2.0146+00	5.6000+03	1.6320+01	6.1791+00	5.1533+02	5.4730+02
63	2.0184+00	5.6040+03	1.5620+01	6.0492+00	5.1455+02	5.4647+02
64	1.9898+00	5.6040+03	1.4700+01	6.1409+00	5.2884+02	5.6156+02
65	1.9853+00	5.6000+03	1.4980+01	6.0951+00	5.1468+02	5.4660+02
66	1.9858+00	5.6000+03	1.5880+01	6.1638+00	5.2376+02	5.5619+02
67	2.0400+00	5.6030+03	1.4680+01	6.1562+00	5.2433+02	5.5679+02
68	2.0503+00	5.6020+03	1.8780+01	6.3699+00	5.3847+02	5.7172+02
69	2.0447+00	5.6040+03	1.4800+01	6.2783+00	5.2698+02	5.5959+02
70	2.0194+00	5.6010+03	1.4920+01	6.2249+00	5.2722+02	5.5985+02
71	2.0584+00	5.5980+03	1.5660+01	6.1180+00	5.2253+02	5.5490+02
72	2.0282+00	5.6000+03	1.4600+01	6.0645+00	5.2118+02	5.5347+02
73	2.0088+00	5.6020+03	1.6200+01	5.9422+00	5.1714+02	5.4921+02
74	2.0565+00	5.5990+03	1.7580+01	5.8810+00	5.0925+02	5.4088+02
75	2.0780+00	5.5970+03	1.5580+01	5.9804+00	5.2088+02	5.5315+02
76	2.0062+00	5.5970+03	1.5180+01	5.7815+00	4.9702+02	5.2796+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
41	5.7398+00	6.0149+00	6.8210+00	2.5314+01	9.9514-01	6.5446+02
42	5.8487+00	6.1341+00	6.9046+00	2.5139+01	9.9530-01	6.3533+02
43	5.8586+00	6.1962+00	7.0485+00	2.5276+01	9.9511-01	6.2664+02
44	6.0367+00	6.2916+00	7.1274+00	2.5403+01	9.9533-01	6.4322+02
45	5.8388+00	6.1294+00	6.9557+00	2.5182+01	9.9521-01	6.3884+02
46	5.9675+00	6.2534+00	7.1088+00	2.5304+01	9.9492-01	6.3694+02
47	5.9675+00	6.2343+00	7.1135+00	2.5337+01	9.9539-01	6.3710+02
48	5.6706+00	6.0435+00	6.9000+00	2.5554+01	9.9540-01	6.5423+02
49	5.7497+00	6.1055+00	6.8025+00	2.5022+01	9.9516-01	6.3595+02
50	5.6112+00	6.0053+00	6.7468+00	2.5130+01	9.9548-01	6.5218+02
51	5.6805+00	6.0387+00	6.7560+00	2.5172+01	9.9556-01	6.5085+02
52	5.8883+00	6.0817+00	6.7375+00	2.5318+01	9.9596-01	6.4231+02
53	5.7497+00	6.0578+00	6.8907+00	2.5215+01	9.9530-01	6.4462+02
54	5.7794+00	6.0817+00	6.9603+00	2.5398+01	9.9528-01	6.5742+02
55	5.7299+00	6.0912+00	6.8628+00	2.5229+01	9.9547-01	6.5037+02
56	5.6211+00	5.9528+00	6.8489+00	2.5074+01	9.9511-01	6.4409+02
57	5.7299+00	6.1007+00	6.9742+00	2.5276+01	9.9544-01	6.5994+02
58	5.7003+00	6.0769+00	6.9742+00	2.5295+01	9.9554-01	6.4625+02
59	5.4331+00	5.9337+00	6.8860+00	2.4956+01	9.9505-01	6.4815+02
60	5.5320+00	5.9767+00	6.8350+00	2.5045+01	9.9547-01	6.4055+02
61	5.4825+00	5.9433+00	6.6771+00	2.4909+01	9.9571-01	6.4295+02
62	5.5419+00	6.0196+00	6.8489+00	2.5031+01	9.9544-01	6.4079+02
63	5.7102+00	6.0769+00	6.7560+00	2.5045+01	9.9618-01	6.3987+02
64	5.9675+00	6.2248+00	6.9278+00	2.5370+01	9.9645-01	6.5584+02
65	5.8289+00	6.1437+00	6.8953+00	2.5337+01	9.9582-01	6.4033+02
66	5.9279+00	6.2105+00	6.9974+00	2.5436+01	9.9569-01	6.4962+02
67	5.8685+00	6.2009+00	7.0346+00	2.5427+01	9.9558-01	6.5117+02
68	5.8190+00	6.2391+00	7.0160+00	2.5375+01	9.9553-01	6.6032+02
69	5.8784+00	6.1866+00	7.0624+00	2.5389+01	9.9558-01	6.5337+02
70	5.8685+00	6.2343+00	7.0578+00	2.5398+01	9.9565-01	6.5389+02
71	5.6805+00	6.0960+00	6.9881+00	2.5219+01	9.9542-01	6.4794+02
72	5.4726+00	5.9910+00	6.8164+00	2.5017+01	9.9555-01	6.4711+02
73	5.5419+00	6.0339+00	6.8907+00	2.4932+01	9.9604-01	6.4137+02
74	5.5815+00	6.0578+00	6.8210+00	2.4819+01	9.9594-01	6.3248+02
75	5.7398+00	6.1723+00	6.8953+00	2.5111+01	9.9572-01	6.4620+02
76	5.8190+00	6.2057+00	6.9464+00	2.5243+01	9.9575-01	6.2375+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
41	6.5096+02	1.0000+00	3.8000+01	1.0116+05	1.8300+03	3.2800+02
42	6.5081+02	1.0000+00	3.9000+01	1.0116+05	2.0350+03	3.3008+02
43	6.4471+02	1.0000+00	4.0000+01	1.0116+05	2.2300+03	3.3200+02
44	6.4794+02	1.0000+00	4.1000+01	1.0126+05	3.0000+01	3.3400+02
45	6.4611+02	1.0000+00	4.2000+01	1.0126+05	2.3000+02	3.3600+02
46	6.4323+02	1.0000+00	4.3000+01	1.0126+05	4.3000+02	3.3800+02
47	6.4388+02	1.0000+00	4.4000+01	1.0126+05	6.3000+02	3.4000+02
48	6.4340+02	1.0000+00	4.5000+01	1.0126+05	8.3000+02	3.4200+02
49	6.4973+02	1.0000+00	4.6000+01	1.0126+05	1.1160+03	3.4477+02
50	6.5236+02	1.0000+00	4.7000+01	1.0126+05	1.2340+03	3.4607+02
51	6.5092+02	1.0000+00	4.8000+01	1.0126+05	1.4240+03	3.4790+02
52	6.4843+02	1.0000+00	4.9000+01	1.0126+05	1.6300+03	3.5000+02
53	6.4612+02	1.0000+00	5.1000+01	1.0126+05	2.0400+03	3.5417+02
54	6.4404+02	1.0000+00	5.2000+01	1.0126+05	2.2250+03	3.5592+02
55	6.4306+02	1.0000+00	5.3000+01	1.0136+05	3.0000+01	3.5800+02
56	6.4926+02	1.0000+00	5.4000+01	1.0136+05	2.3000+02	3.6000+02
57	6.4768+02	1.0000+00	5.5000+01	1.0136+05	4.3000+02	3.6200+02
58	6.4367+02	1.0000+00	5.6000+01	1.0136+05	6.3000+02	3.6400+02
59	6.4654+02	1.0000+00	5.7000+01	1.0136+05	8.3000+02	3.6600+02
60	6.4927+02	2.0000+00	5.8000+01	1.0136+05	1.0300+03	3.6800+02
61	6.5353+02	1.0000+00	5.9000+01	1.0136+05	1.2300+03	3.7000+02
62	6.4789+02	1.0000+00	6.0000+01	1.0136+05	1.4300+03	3.7200+02
63	6.4902+02	1.0000+00	6.1000+01	1.0136+05	1.6250+03	3.7392+02
64	6.5119+02	1.0000+00	6.2000+01	1.0136+05	1.8300+03	3.7600+02
65	6.4935+02	1.0000+00	6.3000+01	1.0136+05	2.0300+03	3.7800+02
66	6.4436+02	1.0000+00	6.4000+01	1.0136+05	2.2300+03	3.8000+02
67	6.4819+02	1.0000+00	6.5000+01	1.0146+05	3.0000+01	3.8200+02
68	6.4784+02	1.0000+00	6.6000+01	1.0146+05	2.3000+02	3.8400+02
69	6.4402+02	1.0000+00	6.7000+01	1.0146+05	4.3000+02	3.8600+02
70	6.4718+02	1.0000+00	6.8000+01	1.0146+05	6.3000+02	3.8800+02
71	6.4644+02	1.0000+00	6.9000+01	1.0146+05	8.3000+02	3.9000+02
72	6.4969+02	1.0000+00	7.0000+01	1.0146+05	1.0300+03	3.9200+02
73	6.4833+02	1.0000+00	7.1000+01	1.0146+05	1.2300+03	3.9400+02
74	6.4782+02	1.0000+00	7.2000+01	1.0146+05	1.4300+03	3.9600+02
75	6.4317+02	1.0000+00	7.3000+01	1.0146+05	1.6300+03	3.9800+02
76	6.4893+02	1.0000+00	7.4000+01	1.0146+05	1.8300+03	4.0000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 14 to October 18

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
1	7.5000+01	1.0146+05	2.0300+03	1.8255+04	5.7183+02	1.6792+00
2	7.6000+01	1.0146+05	2.2300+03	1.8277+04	5.6724+02	9.7243-01
3	7.7000+01	1.0156+05	3.0000+01	1.8261+04	5.5405+02	1.3534+00
4	7.8000+01	1.0156+05	2.3000+02	1.8274+04	5.5876+02	2.2406+00
5	7.9000+01	1.0156+05	4.3000+02	1.8271+04	5.5393+02	1.6792+00
6	8.0000+01	1.0156+05	6.3000+02	1.8216+04	5.6189+02	7.1679-01
7	8.1000+01	1.0156+05	8.3000+02	1.8172+04	5.6797+02	6.2657-01
8	8.2000+01	1.0156+05	1.0300+03	1.8281+04	5.6817+02	3.3985+00
9	8.3000+01	1.0156+05	1.2300+03	1.8300+04	5.6857+02	3.2832+00
10	8.4000+01	1.0156+05	1.4300+03	1.8254+04	5.6579+02	5.3935+00
11	8.5000+01	1.0156+05	1.6300+03	1.8350+04	5.6946+02	2.6667+00
12	8.6000+01	1.0156+05	1.8300+03	1.8265+04	5.7199+02	4.1604-01
13	8.7000+01	1.0156+05	2.0800+03	1.8164+04	5.7292+02	1.3083+00
14	8.8000+01	1.0156+05	2.2300+03	1.8306+04	5.6648+02	3.0576+00
15	8.9000+01	1.0166+05	3.0000+01	1.8217+04	5.6905+02	1.6140+00
16	9.0000+01	1.0166+05	2.3000+02	1.8227+04	5.7425+02	5.8797+00
17	9.1000+01	1.0166+05	4.3000+02	1.8230+04	5.7022+02	2.7068+00
18	9.2000+01	1.0166+05	6.3000+02	1.8240+04	5.6821+02	2.0451+00
19	9.3000+01	1.0166+05	9.3000+02	1.8297+04	5.5613+02	5.3183+00
20	9.4000+01	1.0166+05	1.0300+03	1.8261+04	5.6153+02	4.3759+00
21	9.5000+01	1.0166+05	1.2300+03	1.8218+04	5.7425+02	5.1028+00
22	9.6000+01	1.0166+05	1.4300+03	1.8186+04	5.7356+02	4.8521+00
23	9.7000+01	1.0166+05	1.6300+03	1.8294+04	5.7227+02	2.6817+00
24	9.8000+01	1.0166+05	1.8300+03	1.8259+04	5.8040+02	4.5063+00
25	9.9000+01	1.0166+05	2.0300+03	1.8302+04	5.6334+02	2.6316+00
26	1.0000+02	1.0166+05	2.2300+03	1.8162+04	5.5166+02	2.4511+00
27	1.0100+02	1.0176+05	3.0000+01	1.8312+04	5.6177+02	5.1378+00
28	1.0200+02	1.0176+05	2.3000+02	1.8289+04	5.6270+02	4.0902+00
29	1.0300+02	1.0176+05	4.3000+02	1.8215+04	5.5852+02	3.6892+00
30	1.0400+02	1.0176+05	6.3000+02	1.8262+04	5.6664+02	4.0201+00
31	1.0500+02	1.0176+05	8.3000+02	1.8275+04	5.5373+02	3.5639+00
32	1.0600+02	1.0176+05	1.0300+03	1.8327+04	5.7899+02	5.1278+00
33	1.0700+02	1.0176+05	1.2300+03	1.8385+04	5.6909+02	4.4261+00
34	1.0800+02	1.0176+05	1.4300+03	1.8290+04	5.6692+02	2.8471+00
35	1.0900+02	1.0176+05	1.6300+03	1.8311+04	5.6575+02	2.3559+00
36	1.1000+02	1.0176+05	1.8400+03	1.8240+04	5.6789+02	2.5664+00
37	1.1100+02	1.0176+05	2.0300+03	1.8262+04	5.5872+02	2.7168+00
38	1.1200+02	1.0176+05	2.2300+03	1.8203+04	5.6201+02	1.5138+00
39	1.1300+02	1.0186+05	3.0000+01	1.8299+04	5.6209+02	1.7343+00
40	1.1400+02	1.0186+05	2.3000+02	1.8340+04	5.6849+02	3.8997+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.6751+01	6.6690+02	1.5062+03	1.5037+03	1.5253+03	1.5050+03
2	9.6871+01	6.6314+02	1.5073+03	1.5048+03	1.5260+03	1.5061+03
3	9.6786+01	6.4948+02	1.5039+03	1.5023+03	1.5237+03	1.5031+03
4	9.6855+01	6.5338+02	1.5034+03	1.5014+03	1.5223+03	1.5024+03
5	9.6836+01	6.4909+02	1.5045+03	1.5025+03	1.5239+03	1.5035+03
6	9.6547+01	6.5772+02	1.5039+03	1.5018+03	1.5228+03	1.5029+03
7	9.6312+01	6.6365+02	1.5047+03	1.5022+03	1.5232+03	1.5035+03
8	9.6889+01	6.6166+02	1.5032+03	1.5008+03	1.5221+03	1.5020+03
9	9.6990+01	6.6228+02	1.5048+03	1.5019+03	1.5233+03	1.5033+03
10	9.6746+01	6.5715+02	1.5021+03	1.4996+03	1.5204+03	1.5008+03
11	9.7255+01	6.6405+02	1.5041+03	1.5017+03	1.5230+03	1.5029+03
12	9.6804+01	6.6838+02	1.5068+03	1.5043+03	1.5254+03	1.5055+03
13	9.6272+01	6.6788+02	1.5067+03	1.5039+03	1.5254+03	1.5053+03
14	9.7022+01	6.6044+02	1.5055+03	1.5031+03	1.5246+03	1.5043+03
15	9.6553+01	6.6399+02	1.5052+03	1.5027+03	1.5237+03	1.5039+03
16	9.6603+01	6.6497+02	1.5060+03	1.5032+03	1.5246+03	1.5046+03
17	9.6619+01	6.6413+02	1.5073+03	1.5044+03	1.5260+03	1.5059+03
18	9.6672+01	6.6284+02	1.5076+03	1.5051+03	1.5263+03	1.5063+03
19	9.6977+01	6.4779+02	1.5034+03	1.5006+03	1.5214+03	1.5020+03
20	9.6786+01	6.5394+02	1.5039+03	1.5014+03	1.5223+03	1.5026+03
21	9.6555+01	6.6570+02	1.5049+03	1.5021+03	1.5230+03	1.5035+03
22	9.6388+01	6.6510+02	1.5041+03	1.5016+03	1.5226+03	1.5029+03
23	9.6958+01	6.6655+02	1.5051+03	1.5022+03	1.5232+03	1.5037+03
24	9.6775+01	6.7267+02	1.5083+03	1.5053+03	1.5265+03	1.5068+03
25	9.7003+01	6.5771+02	1.5050+03	1.5021+03	1.5231+03	1.5036+03
26	9.6259+01	6.4546+02	1.5021+03	1.4991+03	1.5204+03	1.5006+03
27	9.7054+01	6.5369+02	1.5051+03	1.5027+03	1.5237+03	1.5039+03
28	9.6932+01	6.5554+02	1.5063+03	1.5034+03	1.5244+03	1.5048+03
29	9.6542+01	6.5138+02	1.5051+03	1.5023+03	1.5232+03	1.5037+03
30	9.6791+01	6.5941+02	1.5067+03	1.5038+03	1.5249+03	1.5052+03
31	9.6860+01	6.4703+02	1.5051+03	1.5022+03	1.5232+03	1.5036+03
32	9.7136+01	6.7100+02	1.5044+03	1.5015+03	1.5220+03	1.5030+03
33	9.7443+01	6.6211+02	1.5053+03	1.5020+03	1.5230+03	1.5037+03
34	9.6940+01	6.6101+02	1.5058+03	1.5025+03	1.5235+03	1.5042+03
35	9.7048+01	6.6045+02	1.5064+03	1.5039+03	1.5241+03	1.5051+03
36	9.6672+01	6.6199+02	1.5066+03	1.5038+03	1.5244+03	1.5052+03
37	9.6789+01	6.5279+02	1.5056+03	1.5027+03	1.5237+03	1.5042+03
38	9.6476+01	6.5697+02	1.5062+03	1.5034+03	1.5240+03	1.5048+03
39	9.6985+01	6.5734+02	1.5068+03	1.5044+03	1.5251+03	1.5056+03
40	9.7205+01	6.6180+02	1.5071+03	1.5042+03	1.5253+03	1.5056+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2312+03	1.2443+03	1.2683+03	1.2418+03	1.2431+03	1.2538+03
2	1.2375+03	1.2499+03	1.2732+03	1.2478+03	1.2489+03	1.2588+03
3	1.2367+03	1.2495+03	1.2715+03	1.2470+03	1.2482+03	1.2570+03
4	1.2341+03	1.2462+03	1.2698+03	1.2438+03	1.2450+03	1.2552+03
5	1.2381+03	1.2506+03	1.2729+03	1.2484+03	1.2495+03	1.2586+03
6	1.2354+03	1.2481+03	1.2715+03	1.2465+03	1.2473+03	1.2574+03
7	1.2366+03	1.2494+03	1.2719+03	1.2473+03	1.2484+03	1.2574+03
8	1.2303+03	1.2431+03	1.2665+03	1.2405+03	1.2418+03	1.2517+03
9	1.2311+03	1.2446+03	1.2677+03	1.2416+03	1.2431+03	1.2528+03
10	1.2295+03	1.2423+03	1.2657+03	1.2402+03	1.2413+03	1.2514+03
11	1.2313+03	1.2448+03	1.2679+03	1.2427+03	1.2437+03	1.2525+03
12	1.2337+03	1.2466+03	1.2698+03	1.2446+03	1.2456+03	1.2543+03
13	1.2336+03	1.2471+03	1.2697+03	1.2441+03	1.2456+03	1.2551+03
14	1.2324+03	1.2453+03	1.2685+03	1.2429+03	1.2441+03	1.2535+03
15	1.2329+03	1.2454+03	1.2686+03	1.2434+03	1.2444+03	1.2540+03
16	1.2338+03	1.2472+03	1.2699+03	1.2452+03	1.2462+03	1.2548+03
17	1.2333+03	1.2468+03	1.2699+03	1.2438+03	1.2453+03	1.2553+03
18	1.2349+03	1.2479+03	1.2705+03	1.2455+03	1.2467+03	1.2564+03
19	1.2337+03	1.2467+03	1.2698+03	1.2438+03	1.2452+03	1.2548+03
20	1.2319+03	1.2449+03	1.2681+03	1.2420+03	1.2435+03	1.2531+03
21	1.2244+03	1.2390+03	1.2617+03	1.2348+03	1.2369+03	1.2467+03
22	1.2236+03	1.2377+03	1.2605+03	1.2340+03	1.2358+03	1.2450+03
23	1.2262+03	1.2408+03	1.2636+03	1.2366+03	1.2387+03	1.2481+03
24	1.2316+03	1.2450+03	1.2682+03	1.2417+03	1.2434+03	1.2528+03
25	1.2291+03	1.2428+03	1.2657+03	1.2394+03	1.2411+03	1.2509+03
26	1.2300+03	1.2427+03	1.2657+03	1.2402+03	1.2415+03	1.2509+03
27	1.2319+03	1.2449+03	1.2681+03	1.2424+03	1.2437+03	1.2531+03
28	1.2327+03	1.2461+03	1.2693+03	1.2432+03	1.2446+03	1.2542+03
29	1.2341+03	1.2481+03	1.2706+03	1.2451+03	1.2466+03	1.2556+03
30	1.2331+03	1.2465+03	1.2697+03	1.2441+03	1.2453+03	1.2546+03
31	1.2332+03	1.2466+03	1.2693+03	1.2437+03	1.2452+03	1.2543+03
32	1.2293+03	1.2430+03	1.2659+03	1.2400+03	1.2415+03	1.2512+03
33	1.2277+03	1.2418+03	1.2647+03	1.2389+03	1.2404+03	1.2492+03
34	1.2304+03	1.2444+03	1.2675+03	1.2415+03	1.2429+03	1.2522+03
35	1.2319+03	1.2453+03	1.2685+03	1.2424+03	1.2439+03	1.2531+03
36	1.2313+03	1.2456+03	1.2684+03	1.2422+03	1.2439+03	1.2534+03
37	1.2320+03	1.2458+03	1.2686+03	1.2429+03	1.2444+03	1.2536+03
38	1.2336+03	1.2474+03	1.2701+03	1.2445+03	1.2460+03	1.2550+03
39	1.2333+03	1.2472+03	1.2703+03	1.2447+03	1.2459+03	1.2552+03
40	1.2322+03	1.2461+03	1.2697+03	1.2436+03	1.2448+03	1.2546+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2628+03	1.2617+03	1.2594+03	1.5113+03	1.5101+03	1.4983+03
2	1.2686+03	1.2667+03	1.2647+03	1.5120+03	1.5108+03	1.4990+03
3	1.2668+03	1.2649+03	1.2629+03	1.5093+03	1.5081+03	1.4965+03
4	1.2647+03	1.2631+03	1.2610+03	1.5088+03	1.5076+03	1.4960+03
5	1.2688+03	1.2664+03	1.2646+03	1.5100+03	1.5087+03	1.4971+03
6	1.2668+03	1.2653+03	1.2632+03	1.5093+03	1.5080+03	1.4965+03
7	1.2676+03	1.2657+03	1.2636+03	1.5093+03	1.5080+03	1.4968+03
8	1.2616+03	1.2600+03	1.2578+03	1.5077+03	1.5069+03	1.4954+03
9	1.2627+03	1.2611+03	1.2589+03	1.5089+03	1.5076+03	1.4965+03
10	1.2608+03	1.2593+03	1.2572+03	1.5069+03	1.5056+03	1.4942+03
11	1.2629+03	1.2613+03	1.2589+03	1.5091+03	1.5083+03	1.4967+03
12	1.2642+03	1.2627+03	1.2604+03	1.5114+03	1.5103+03	1.4985+03
13	1.2650+03	1.2635+03	1.2612+03	1.5114+03	1.5102+03	1.4984+03
14	1.2634+03	1.2619+03	1.2596+03	1.5106+03	1.5089+03	1.4977+03
15	1.2643+03	1.2628+03	1.2604+03	1.5098+03	1.5085+03	1.4969+03
16	1.2652+03	1.2636+03	1.2612+03	1.5107+03	1.5094+03	1.4977+03
17	1.2648+03	1.2632+03	1.2611+03	1.5115+03	1.5104+03	1.4990+03
18	1.2663+03	1.2647+03	1.2625+03	1.5122+03	1.5111+03	1.4992+03
19	1.2647+03	1.2631+03	1.2609+03	1.5075+03	1.5057+03	1.4943+03
20	1.2634+03	1.2615+03	1.2593+03	1.5084+03	1.5057+03	1.4956+03
21	1.2565+03	1.2551+03	1.2528+03	1.5091+03	1.5078+03	1.4963+03
22	1.2556+03	1.2537+03	1.2514+03	1.5086+03	1.5073+03	1.4958+03
23	1.2584+03	1.2569+03	1.2545+03	1.5097+03	1.5085+03	1.4973+03
24	1.2631+03	1.2616+03	1.2592+03	1.5128+03	1.5113+03	1.4994+03
25	1.2608+03	1.2589+03	1.2569+03	1.5092+03	1.5084+03	1.4968+03
26	1.2613+03	1.2593+03	1.2572+03	1.5060+03	1.5048+03	1.4932+03
27	1.2630+03	1.2615+03	1.2592+03	1.5097+03	1.5085+03	1.4968+03
28	1.2642+03	1.2626+03	1.2603+03	1.5105+03	1.5092+03	1.4980+03
29	1.2660+03	1.2644+03	1.2620+03	1.5093+03	1.5085+03	1.4969+03
30	1.2646+03	1.2634+03	1.2609+03	1.5109+03	1.5097+03	1.4980+03
31	1.2647+03	1.2631+03	1.2607+03	1.5092+03	1.5080+03	1.4968+03
32	1.2611+03	1.2595+03	1.2572+03	1.5080+03	1.5068+03	1.4953+03
33	1.2595+03	1.2580+03	1.2555+03	1.5091+03	1.5073+03	1.4966+03
34	1.2625+03	1.2605+03	1.2584+03	1.5101+03	1.5088+03	1.4976+03
35	1.2634+03	1.2615+03	1.2593+03	1.5106+03	1.5094+03	1.4981+03
36	1.2637+03	1.2621+03	1.2597+03	1.5105+03	1.5097+03	1.4983+03
37	1.2635+03	1.2619+03	1.2597+03	1.5103+03	1.5090+03	1.4973+03
38	1.2654+03	1.2638+03	1.2614+03	1.5105+03	1.5092+03	1.4979+03
39	1.2651+03	1.2636+03	1.2613+03	1.5111+03	1.5099+03	1.4985+03
40	1.2646+03	1.2630+03	1.2607+03	1.5113+03	1.5101+03	1.4988+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
1	1.4434+03	1.4356+03	1.5066+03	1.3982+03	1.3941+03	1.3962+03
2	1.4445+03	1.4367+03	1.5072+03	1.3993+03	1.3953+03	1.3973+03
3	1.4427+03	1.4342+03	1.5046+03	1.3967+03	1.3926+03	1.3947+03
4	1.4422+03	1.4333+03	1.5041+03	1.3961+03	1.3918+03	1.3940+03
5	1.4438+03	1.4348+03	1.5053+03	1.3973+03	1.3932+03	1.3953+03
6	1.4418+03	1.4337+03	1.5046+03	1.3966+03	1.3926+03	1.3946+03
7	1.4417+03	1.4341+03	1.5047+03	1.3970+03	1.3934+03	1.3952+03
8	1.4406+03	1.4331+03	1.5033+03	1.3950+03	1.3911+03	1.3931+03
9	1.4414+03	1.4338+03	1.5043+03	1.3962+03	1.3922+03	1.3942+03
10	1.4399+03	1.4319+03	1.5022+03	1.3942+03	1.3904+03	1.3923+03
11	1.4420+03	1.4339+03	1.5047+03	1.3960+03	1.3920+03	1.3940+03
12	1.4435+03	1.4357+03	1.5067+03	1.3984+03	1.3943+03	1.3963+03
13	1.4439+03	1.4357+03	1.5067+03	1.3983+03	1.3943+03	1.3963+03
14	1.4431+03	1.4349+03	1.5057+03	1.3975+03	1.3934+03	1.3955+03
15	1.4427+03	1.4346+03	1.5051+03	1.3971+03	1.3931+03	1.3951+03
16	1.4436+03	1.4354+03	1.5060+03	1.3980+03	1.3940+03	1.3960+03
17	1.4445+03	1.4358+03	1.5070+03	1.3989+03	1.3949+03	1.3969+03
18	1.4448+03	1.4365+03	1.5075+03	1.3996+03	1.3951+03	1.3973+03
19	1.4408+03	1.4320+03	1.5025+03	1.3930+03	1.3905+03	1.3917+03
20	1.4422+03	1.4337+03	1.5032+03	1.3939+03	1.3913+03	1.3926+03
21	1.4425+03	1.4339+03	1.5044+03	1.3937+03	1.3916+03	1.3926+03
22	1.4420+03	1.4335+03	1.5039+03	1.3932+03	1.3911+03	1.3922+03
23	1.4436+03	1.4345+03	1.5052+03	1.3948+03	1.3922+03	1.3935+03
24	1.4459+03	1.4372+03	1.5078+03	1.3976+03	1.3949+03	1.3963+03
25	1.4430+03	1.4340+03	1.5048+03	1.3947+03	1.3921+03	1.3934+03
26	1.4399+03	1.4315+03	1.5013+03	1.3921+03	1.3896+03	1.3908+03
27	1.4436+03	1.4341+03	1.5050+03	1.3948+03	1.3922+03	1.3935+03
28	1.4443+03	1.4352+03	1.5059+03	1.3960+03	1.3933+03	1.3947+03
29	1.4440+03	1.4345+03	1.5049+03	1.3957+03	1.3930+03	1.3944+03
30	1.4448+03	1.4352+03	1.5062+03	1.3969+03	1.3937+03	1.3953+03
31	1.4426+03	1.4341+03	1.5047+03	1.3952+03	1.3926+03	1.3939+03
32	1.4419+03	1.4330+03	1.5034+03	1.3945+03	1.3915+03	1.3930+03
33	1.4429+03	1.4339+03	1.5043+03	1.3950+03	1.3924+03	1.3937+03
34	1.4439+03	1.4352+03	1.5055+03	1.3956+03	1.3929+03	1.3942+03
35	1.4445+03	1.4358+03	1.5060+03	1.3966+03	1.3939+03	1.3952+03
36	1.4443+03	1.4356+03	1.5062+03	1.3964+03	1.3937+03	1.3951+03
37	1.4441+03	1.4350+03	1.5055+03	1.3962+03	1.3931+03	1.3946+03
38	1.4448+03	1.4352+03	1.5059+03	1.3969+03	1.3942+03	1.3955+03
39	1.4445+03	1.4358+03	1.5065+03	1.3975+03	1.3939+03	1.3957+03
40	1.4448+03	1.4356+03	1.5068+03	1.3974+03	1.3942+03	1.3958+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TBO166	TWB116	TWB117	TLO102	TLI103	TCA122
1	1.5157+03	6.3301+01	1.9539+02	2.0543+02	1.3997+02	1.3046+03
2	1.5165+03	6.2698+01	1.9405+02	2.0572+02	1.3936+02	1.3069+03
3	1.5137+03	6.3567+01	1.9364+02	2.0525+02	1.3934+02	1.3036+03
4	1.5128+03	6.2620+01	1.9559+02	2.0434+02	1.3791+02	1.3023+03
5	1.5144+03	6.2434+01	1.9302+02	2.0458+02	1.3818+02	1.3042+03
6	1.5132+03	6.1751+01	1.9399+02	2.0520+02	1.3884+02	1.3056+03
7	1.5137+03	6.2605+01	1.9475+02	2.0608+02	1.3971+02	1.3047+03
8	1.5116+03	6.2408+01	1.9705+02	2.0633+02	1.4080+02	1.3016+03
9	1.5133+03	6.2694+01	1.9483+02	2.0753+02	1.4149+02	1.3027+03
10	1.5113+03	6.3398+01	1.9033+02	2.0735+02	1.4173+02	1.3009+03
11	1.5130+03	6.3325+01	1.9381+02	2.0773+02	1.4250+02	1.3021+03
12	1.5159+03	6.3034+01	1.9474+02	2.0788+02	1.4223+02	1.3039+03
13	1.5159+03	6.2992+01	1.9312+02	2.0648+02	1.4135+02	1.3043+03
14	1.5150+03	6.2177+01	1.9001+02	2.0609+02	1.3973+02	1.3031+03
15	1.5142+03	6.2237+01	1.9007+02	2.0398+02	1.3752+02	1.3023+03
16	1.5155+03	6.2249+01	1.9088+02	2.0440+02	1.3753+02	1.3023+03
17	1.5164+03	6.2692+01	1.9524+02	2.0482+02	1.3799+02	1.3040+03
18	1.5167+03	6.2527+01	1.9429+02	2.0425+02	1.3736+02	1.3042+03
19	1.5123+03	6.2168+01	1.9476+02	2.0433+02	1.3745+02	1.2984+03
20	1.5128+03	6.2620+01	1.9477+02	2.0392+02	1.3837+02	1.2965+03
21	1.5144+03	6.3772+01	1.9625+02	2.0591+02	1.4125+02	1.2938+03
22	1.5135+03	6.3301+01	1.9498+02	2.0588+02	1.4081+02	1.2929+03
23	1.5146+03	6.4391+01	1.9397+02	2.0655+02	1.4142+02	1.2943+03
24	1.5174+03	6.4513+01	1.9487+02	2.0531+02	1.4028+02	1.2985+03
25	1.5140+03	6.2959+01	1.9507+02	2.0382+02	1.3826+02	1.2978+03
26	1.5104+03	6.3393+01	1.9590+02	2.0340+02	1.3825+02	1.2983+03
27	1.5141+03	6.3945+01	1.9558+02	2.0563+02	1.3972+02	1.3010+03
28	1.5149+03	6.3384+01	1.9547+02	2.0464+02	1.3870+02	1.3030+03
29	1.5137+03	6.3082+01	1.9320+02	2.0227+02	1.3520+02	1.3019+03
30	1.5153+03	6.3369+01	1.9587+02	2.0421+02	1.3686+02	1.3030+03
31	1.5141+03	6.3026+01	1.9597+02	2.0515+02	1.3742+02	1.3026+03
32	1.5133+03	6.3184+01	1.9695+02	2.0622+02	1.4028+02	1.2999+03
33	1.5144+03	6.5064+01	1.9260+02	2.0587+02	1.4122+02	1.2991+03
34	1.5149+03	6.5599+01	1.9797+02	2.0733+02	1.4255+02	1.3001+03
35	1.5155+03	6.4388+01	1.9239+02	2.0654+02	1.4100+02	1.3010+03
36	1.5157+03	6.5107+01	1.9264+02	2.0501+02	1.4001+02	1.3021+03
37	1.5151+03	6.5341+01	1.9206+02	2.0398+02	1.3797+02	1.3011+03
38	1.5158+03	6.4682+01	1.9187+02	2.0336+02	1.3730+02	1.3021+03
39	1.5160+03	6.3546+01	1.9322+02	2.0613+02	1.3841+02	1.3040+03
40	1.5162+03	6.4253+01	1.9504+02	2.0550+02	1.3868+02	1.3042+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
1	2.0857+00	5.6020+03	1.5280+01	5.9192+00	5.1233+02	5.4413+02
2	1.9829+00	5.6050+03	1.5020+01	5.9651+00	5.1277+02	5.4459+02
3	2.0179+00	5.6070+03	1.4780+01	5.8504+00	4.9844+02	5.2947+02
4	2.0107+00	5.6010+03	1.5380+01	6.0033+00	5.2249+02	5.5486+02
5	2.0315+00	5.6020+03	1.4620+01	6.0645+00	5.1848+02	5.5061+02
6	2.0281+00	5.5990+03	1.5000+01	5.8810+00	5.1068+02	5.4238+02
7	2.0109+00	5.5970+03	1.5020+01	6.0416+00	5.2553+02	5.5806+02
8	2.0242+00	5.5940+03	1.6520+01	5.7739+00	5.0869+02	5.4028+02
9	2.0125+00	5.5990+03	1.7300+01	6.1485+00	5.3106+02	5.6389+02
10	2.0208+00	5.6010+03	1.7400+01	6.3088+00	5.2475+02	5.5724+02
11	2.0958+00	5.6010+03	1.5800+01	6.0263+00	5.1261+02	5.4442+02
12	2.0233+00	5.6020+03	1.4780+01	6.1103+00	5.2704+02	5.5965+02
13	2.0900+00	5.6000+03	1.4460+01	6.1714+00	5.2886+02	5.6158+02
14	2.1079+00	5.5980+03	1.5800+01	6.1791+00	5.1614+02	5.4815+02
15	2.0417+00	5.6000+03	1.5220+01	6.3088+00	5.2953+02	5.6229+02
16	2.0525+00	5.6020+03	1.8580+01	6.2554+00	5.2808+02	5.6075+02
17	2.0282+00	5.6020+03	1.5620+01	6.0033+00	5.2211+02	5.5445+02
18	2.0529+00	5.6010+03	1.5060+01	6.1714+00	5.3327+02	5.6622+02
19	1.9684+00	5.6030+03	1.6500+01	5.7968+00	5.0246+02	5.3371+02
20	2.0137+00	5.5960+03	1.5800+01	6.0263+00	5.2163+02	5.5394+02
21	1.9846+00	5.6010+03	1.6180+01	6.1180+00	5.3217+02	5.6507+02
22	2.0074+00	5.5980+03	1.6060+01	6.1180+00	5.2986+02	5.6263+02
23	2.0389+00	5.5940+03	1.4860+01	6.1027+00	5.1708+02	5.4914+02
24	2.0335+00	5.6010+03	1.6040+01	6.0339+00	5.1528+02	5.4724+02
25	2.0350+00	5.5980+03	1.4700+01	5.8198+00	5.0250+02	5.3375+02
26	1.9966+00	5.5960+03	1.4980+01	5.8274+00	5.0855+02	5.4013+02
27	2.0270+00	5.6020+03	1.6320+01	6.1103+00	5.2541+02	5.5793+02
28	2.0448+00	5.6030+03	1.6000+01	6.0339+00	5.2127+02	5.5356+02
29	2.0196+00	5.6060+03	1.5480+01	6.0186+00	5.1428+02	5.4619+02
30	2.0657+00	5.6000+03	1.6060+01	5.9039+00	5.1239+02	5.4419+02
31	2.0356+00	5.5990+03	1.5780+01	5.7892+00	5.0373+02	5.3505+02
32	2.0147+00	5.6000+03	1.6380+01	5.8963+00	5.1477+02	5.4670+02
33	1.9665+00	5.6010+03	1.5880+01	6.2096+00	5.1525+02	5.4721+02
34	2.0707+00	5.6000+03	1.5060+01	5.7968+00	5.0182+02	5.3303+02
35	2.0319+00	5.6020+03	1.4980+01	6.2707+00	5.2436+02	5.5682+02
36	2.2235+00	5.6000+03	1.4800+01	6.3470+00	5.3083+02	5.6365+02
37	2.1489+00	5.6030+03	1.4780+01	6.2783+00	5.2110+02	5.5339+02
38	2.1332+00	5.5980+03	1.4000+01	6.2936+00	5.2600+02	5.5855+02
39	2.0741+00	5.6020+03	1.4800+01	6.0416+00	5.1213+02	5.4391+02
40	2.0669+00	5.6030+03	1.6080+01	6.0951+00	5.1989+02	5.5211+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
1	5.6805+00	6.2105+00	7.0763+00	2.5408+01	9.9593-01	6.3920+02
2	5.8487+00	6.4109+00	7.2295+00	2.5474+01	9.9590-01	6.4049+02
3	5.8190+00	6.3059+00	7.1785+00	2.5088+01	9.9541-01	6.2490+02
4	5.8883+00	6.3536+00	7.1599+00	2.5215+01	9.9508-01	6.4947+02
5	5.9279+00	6.4061+00	7.2713+00	2.5332+01	9.9507-01	6.4577+02
6	5.8784+00	6.3918+00	7.1785+00	2.5248+01	9.9587-01	6.3821+02
7	5.8586+00	6.3107+00	7.0578+00	2.5182+01	9.9616-01	6.5375+02
8	5.6904+00	6.1485+00	6.8721+00	2.5088+01	9.9616-01	6.3377+02
9	5.6706+00	6.1055+00	6.8489+00	2.5078+01	9.9654-01	6.5760+02
10	5.7003+00	6.1341+00	6.8025+00	2.4843+01	9.9637-01	6.4859+02
11	5.7497+00	6.1532+00	6.8257+00	2.5139+01	9.9644-01	6.3901+02
12	5.7695+00	6.1628+00	6.9510+00	2.5403+01	9.9627-01	6.5604+02
13	5.8190+00	6.2343+00	6.9881+00	2.5351+01	9.9624-01	6.5654+02
14	5.6607+00	6.1389+00	7.0624+00	2.5267+01	9.9567-01	6.4211+02
15	5.6409+00	6.1628+00	7.0624+00	2.5172+01	9.9551-01	6.5722+02
16	5.6904+00	6.1962+00	7.1042+00	2.5224+01	9.9532-01	6.5147+02
17	5.7299+00	6.1771+00	7.0810+00	2.5384+01	9.9577-01	6.4836+02
18	5.7201+00	6.2630+00	7.1645+00	2.5459+01	9.9547-01	6.6085+02
19	5.7299+00	6.1723+00	6.9603+00	2.4932+01	9.9503-01	6.2537+02
20	5.7102+00	6.2105+00	6.8907+00	2.5055+01	9.9479-01	6.4635+02
21	5.5122+00	5.9481+00	6.5332+00	2.5003+01	9.9561-01	6.5652+02
22	5.5221+00	5.8956+00	6.4218+00	2.4937+01	9.9590-01	6.5416+02
23	5.7003+00	6.0196+00	6.4265+00	2.5111+01	9.9615-01	6.4341+02
24	5.8388+00	6.1723+00	6.6679+00	2.5408+01	9.9605-01	6.3951+02
25	5.8289+00	6.1103+00	6.7003+00	2.5154+01	9.9586-01	6.2812+02
26	5.7299+00	6.1151+00	6.7514+00	2.4796+01	9.9593-01	6.3394+02
27	5.7398+00	6.1485+00	6.8767+00	2.5121+01	9.9596-01	6.4985+02
28	5.7398+00	6.1532+00	6.9649+00	2.5238+01	9.9605-01	6.4640+02
29	5.7695+00	6.2487+00	7.0392+00	2.5125+01	9.9551-01	6.3904+02
30	5.7398+00	6.1723+00	7.0114+00	2.5342+01	9.9581-01	6.3697+02
31	5.7299+00	6.1341+00	7.0206+00	2.5092+01	9.9581-01	6.2835+02
32	5.5617+00	6.0244+00	6.7375+00	2.4909+01	9.9634-01	6.3871+02
33	5.5914+00	6.0005+00	6.5982+00	2.5031+01	9.9665-01	6.4023+02
34	5.7102+00	6.1055+00	6.6354+00	2.5083+01	9.9673-01	6.2712+02
35	5.8883+00	6.1723+00	6.6168+00	2.5139+01	9.9701-01	6.5151+02
36	5.8982+00	6.1771+00	6.7560+00	2.5314+01	9.9664-01	6.5776+02
37	5.9081+00	6.1294+00	6.7700+00	2.5139+01	9.9640-01	6.4746+02
38	5.9378+00	6.2057+00	6.8860+00	2.5215+01	9.9616-01	6.5351+02
39	5.8487+00	6.2153+00	6.9417+00	2.5375+01	9.9633-01	6.3916+02
40	5.7893+00	6.1723+00	6.9696+00	2.5394+01	9.9628-01	6.4542+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
1	6.4523+02	1.0000+00	7.5000+01	1.0146+05	2.0300+03	4.0200+02
2	6.4594+02	1.0000+00	7.6000+01	1.0146+05	2.2300+03	4.0400+02
3	6.4408+02	1.0000+00	7.7000+01	1.0156+05	3.0000+01	4.0600+02
4	6.4210+02	1.0000+00	7.8000+01	1.0156+05	2.3000+02	4.0800+02
5	6.3882+02	1.0000+00	7.9000+01	1.0156+05	4.3000+02	4.1000+02
6	6.4605+02	1.0000+00	8.0000+01	1.0156+05	6.3000+02	4.1200+02
7	6.5296+02	1.0000+00	8.1000+01	1.0156+05	8.3000+02	4.1400+02
8	6.5049+02	1.0000+00	8.2000+01	1.0156+05	1.0300+03	4.1600+02
9	6.5204+02	1.0000+00	8.3000+01	1.0156+05	1.2300+03	4.1800+02
10	6.5224+02	1.0000+00	8.4000+01	1.0156+05	1.4300+03	4.2000+02
11	6.5467+02	1.0000+00	8.5000+01	1.0156+05	1.6300+03	4.2200+02
12	6.4938+02	1.0000+00	8.6000+01	1.0156+05	1.8300+03	4.2400+02
13	6.4768+02	1.0000+00	8.7000+01	1.0156+05	2.0800+03	4.2683+02
14	6.4572+02	1.0000+00	8.8000+01	1.0156+05	2.2300+03	4.2800+02
15	6.4987+02	1.0000+00	8.9000+01	1.0166+05	3.0000+01	4.3000+02
16	6.5115+02	1.0000+00	9.0000+01	1.0166+05	2.3000+02	4.3200+02
17	6.4408+02	1.0000+00	9.1000+01	1.0166+05	4.3000+02	4.3400+02
18	6.4229+02	1.0000+00	9.2000+01	1.0166+05	6.3000+02	4.3600+02
19	6.4509+02	1.0000+00	9.3000+01	1.0166+05	9.3000+02	4.3900+02
20	6.4446+02	1.0000+00	9.4000+01	1.0166+05	1.0300+03	4.4000+02
21	6.4796+02	1.0000+00	9.5000+01	1.0166+05	1.2300+03	4.4200+02
22	6.4769+02	1.0000+00	9.6000+01	1.0166+05	1.4300+03	4.4400+02
23	6.4993+02	1.0000+00	9.7000+01	1.0166+05	1.6300+03	4.4600+02
24	6.4951+02	1.0000+00	9.8000+01	1.0166+05	1.8300+03	4.4800+02
25	6.4316+02	1.0000+00	9.9000+01	1.0166+05	2.0300+03	4.5000+02
26	6.3981+02	1.0000+00	1.0000+02	1.0166+05	2.2300+03	4.5200+02
27	6.4291+02	1.0000+00	1.0100+02	1.0176+05	3.0000+01	4.5400+02
28	6.4129+02	1.0000+00	1.0200+02	1.0176+05	2.3000+02	4.5600+02
29	6.4135+02	1.0000+00	1.0300+02	1.0176+05	4.3000+02	4.5800+02
30	6.4207+02	1.0000+00	1.0400+02	1.0176+05	6.3000+02	4.6000+02
31	6.3803+02	1.0000+00	1.0500+02	1.0176+05	8.3000+02	4.6200+02
32	6.6442+02	1.0000+00	1.0600+02	1.0176+05	1.0300+03	4.6400+02
33	6.5200+02	1.0000+00	1.0700+02	1.0176+05	1.2300+03	4.6600+02
34	6.4938+02	1.0000+00	1.0800+02	1.0176+05	1.4300+03	4.6800+02
35	6.4805+02	1.0000+00	1.0900+02	1.0176+05	1.6300+03	4.7000+02
36	6.4317+02	1.0000+00	1.1000+02	1.0176+05	1.8400+03	4.7217+02
37	6.4073+02	1.0000+00	1.1100+02	1.0176+05	2.0300+03	4.7400+02
38	6.4246+02	1.0000+00	1.1200+02	1.0176+05	2.2300+03	4.7600+02
39	6.4056+02	1.0000+00	1.1300+02	1.0186+05	3.0000+01	4.7800+02
40	6.4429+02	1.0000+00	1.1400+02	1.0186+05	2.3000+02	4.8000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 18 to October 21

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
41	1.1500+02	1.0186+05	4.3000+02	1.8301+04	5.5669+02	2.8020+00
42	1.1600+02	1.0186+05	6.3000+02	1.8301+04	5.5936+02	2.2256+00
43	1.1700+02	1.0186+05	8.3000+02	1.8260+04	5.6539+02	4.1805+00
44	1.1800+02	1.0186+05	1.0300+03	1.8184+04	5.6728+02	4.3659+00
45	1.1900+02	1.0186+05	1.2300+03	1.8178+04	5.6909+02	4.1053+00
46	1.2000+02	1.0186+05	1.4300+03	1.8218+04	5.7010+02	4.5614+00
47	1.2100+02	1.0186+05	1.6300+03	1.8284+04	5.6805+02	2.7820+00
48	1.2200+02	1.0186+05	1.8300+03	1.8277+04	5.7412+02	2.2907+00
49	1.2300+02	1.0186+05	2.0300+03	1.8302+04	5.6515+02	2.8571+00
50	1.2500+02	1.0196+05	3.0000+01	1.8312+04	5.6125+02	1.6040+00
51	1.2600+02	1.0196+05	2.3000+02	1.8311+04	5.5980+02	3.0025+00
52	1.2700+02	1.0196+05	4.3000+02	1.8297+04	5.5792+02	1.4887+00
53	1.2800+02	1.0196+05	6.3000+02	1.8259+04	5.6105+02	8.8722-01
54	1.2900+02	1.0196+05	8.3000+02	1.8272+04	5.6757+02	3.7043+00
55	1.3000+02	1.0196+05	1.0300+03	1.8206+04	5.6515+02	4.1404+00
56	1.3100+02	1.0196+05	1.2300+03	1.8255+04	5.6688+02	3.9749+00
57	1.3200+02	1.0196+05	1.4300+03	1.8291+04	5.7002+02	3.6241+00
58	1.3400+02	1.0196+05	1.8300+03	1.8307+04	5.7163+02	2.8421+00
59	1.3500+02	1.0196+05	2.0300+03	1.8260+04	5.7243+02	9.7243-01
60	1.3600+02	1.0196+05	2.2300+03	1.8194+04	5.6757+02	3.2832+00
61	1.3700+02	1.0206+05	3.0000+01	1.8227+04	5.6926+02	1.6441+00
62	1.3800+02	1.0206+05	2.3000+02	1.8326+04	5.6378+02	9.8747-01
63	1.3900+02	1.0206+05	4.3000+02	1.8228+04	5.6386+02	3.1779+00
64	1.4000+02	1.0206+05	6.3000+02	1.8259+04	5.6918+02	2.3609+00
65	1.4100+02	1.0206+05	8.3000+02	1.8312+04	5.6680+02	2.8722+00
66	1.4200+02	1.0206+05	1.0300+03	1.8273+04	5.7976+02	6.6566+00
67	1.4300+02	1.0206+05	1.2300+03	1.8315+04	5.7453+02	3.5589+00
68	1.4400+02	1.0206+05	1.4300+03	1.8265+04	5.7082+02	4.6266+00
69	1.4500+02	1.0206+05	1.6300+03	1.8289+04	5.6612+02	1.5288+00
70	1.4500+02	1.0206+05	1.6300+03	1.8305+04	5.6165+02	8.0702-01
71	1.4600+02	1.0206+05	1.8300+03	1.8260+04	5.6608+02	2.9574+00
72	1.4700+02	1.0206+05	2.0300+03	1.8212+04	5.7091+02	4.5113-01
73	1.4800+02	1.0206+05	2.2300+03	1.8237+04	5.7485+02	1.3383+00
74	1.4900+02	1.0216+05	3.0000+01	1.8272+04	5.7408+02	1.6842+00
75	1.5000+02	1.0216+05	2.3000+02	1.8288+04	5.6676+02	7.8195-01
76	1.5100+02	1.0216+05	4.3000+02	1.8274+04	5.6584+02	1.1729+00
77	1.5200+02	1.0216+05	6.3000+02	1.8228+04	5.6555+02	1.3584+00
78	1.5300+02	1.0216+05	8.3000+02	1.8248+04	5.7433+02	2.7268+00
79	1.5400+02	1.0216+05	1.0300+03	1.8296+04	5.6644+02	2.9524+00
80	1.5500+02	1.0216+05	1.2300+03	1.8185+04	5.7497+02	3.8797+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
41	9.6995+01	6.5088+02	1.5068+03	1.5035+03	1.5241+03	1.5051+03
42	9.6998+01	6.5413+02	1.5072+03	1.5043+03	1.5250+03	1.5057+03
43	9.6781+01	6.5799+02	1.5064+03	1.5035+03	1.5242+03	1.5050+03
44	9.6375+01	6.5929+02	1.5044+03	1.5015+03	1.5220+03	1.5029+03
45	9.6346+01	6.6134+02	1.5045+03	1.5016+03	1.5225+03	1.5030+03
46	9.6558+01	6.6210+02	1.5043+03	1.5014+03	1.5219+03	1.5029+03
47	9.6908+01	6.6217+02	1.5067+03	1.5038+03	1.5245+03	1.5053+03
48	9.6871+01	6.6870+02	1.5074+03	1.5049+03	1.5257+03	1.5062+03
49	9.7003+01	6.5930+02	1.5072+03	1.5043+03	1.5250+03	1.5058+03
50	9.7056+01	6.5670+02	1.5072+03	1.5043+03	1.5250+03	1.5057+03
51	9.7048+01	6.5385+02	1.5055+03	1.5026+03	1.5232+03	1.5040+03
52	9.6974+01	6.5341+02	1.5050+03	1.5021+03	1.5227+03	1.5036+03
53	9.6775+01	6.5693+02	1.5059+03	1.5030+03	1.5236+03	1.5045+03
54	9.6842+01	6.6070+02	1.5056+03	1.5031+03	1.5233+03	1.5044+03
55	9.6492+01	6.5750+02	1.5036+03	1.5003+03	1.5212+03	1.5020+03
56	9.6751+01	6.5966+02	1.5057+03	1.5032+03	1.5234+03	1.5045+03
57	9.6942+01	6.6334+02	1.5061+03	1.5032+03	1.5234+03	1.5047+03
58	9.7027+01	6.6581+02	1.5070+03	1.5042+03	1.5248+03	1.5056+03
59	9.6778+01	6.6824+02	1.5047+03	1.5023+03	1.5224+03	1.5035+03
60	9.6428+01	6.6071+02	1.5058+03	1.5025+03	1.5231+03	1.5042+03
61	9.6603+01	6.6421+02	1.5055+03	1.5026+03	1.5231+03	1.5040+03
62	9.7128+01	6.5992+02	1.5050+03	1.5025+03	1.5231+03	1.5037+03
63	9.6611+01	6.5730+02	1.5055+03	1.5022+03	1.5228+03	1.5039+03
64	9.6773+01	6.6359+02	1.5056+03	1.5028+03	1.5233+03	1.5042+03
65	9.7054+01	6.6098+02	1.5064+03	1.5035+03	1.5237+03	1.5050+03
66	9.6850+01	6.6995+02	1.5058+03	1.5029+03	1.5230+03	1.5043+03
67	9.7072+01	6.6804+02	1.5059+03	1.5030+03	1.5232+03	1.5045+03
68	9.6804+01	6.6300+02	1.5040+03	1.5011+03	1.5211+03	1.5026+03
69	9.6934+01	6.6152+02	1.5042+03	1.5014+03	1.5214+03	1.5028+03
70	9.7019+01	6.5786+02	1.5039+03	1.5010+03	1.5210+03	1.5025+03
71	9.6781+01	6.5990+02	1.5034+03	1.5005+03	1.5205+03	1.5020+03
72	9.6524+01	6.6698+02	1.5043+03	1.5014+03	1.5214+03	1.5028+03
73	9.6656+01	6.7017+02	1.5047+03	1.5022+03	1.5223+03	1.5035+03
74	9.6842+01	6.6924+02	1.5052+03	1.5023+03	1.5224+03	1.5037+03
75	9.6926+01	6.6290+02	1.5048+03	1.5024+03	1.5220+03	1.5036+03
76	9.6855+01	6.6152+02	1.5049+03	1.5020+03	1.5221+03	1.5034+03
77	9.6611+01	6.6081+02	1.5034+03	1.5005+03	1.5205+03	1.5019+03
78	9.6714+01	6.6831+02	1.5072+03	1.5043+03	1.5246+03	1.5058+03
79	9.6971+01	6.6046+02	1.5043+03	1.5010+03	1.5210+03	1.5027+03
80	9.6380+01	6.6747+02	1.5047+03	1.5019+03	1.5219+03	1.5033+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
41	1.2341+03	1.2471+03	1.2706+03	1.2451+03	1.2461+03	1.2569+03
42	1.2332+03	1.2471+03	1.2702+03	1.2446+03	1.2458+03	1.2556+03
43	1.2329+03	1.2467+03	1.2698+03	1.2438+03	1.2453+03	1.2552+03
44	1.2276+03	1.2417+03	1.2645+03	1.2392+03	1.2404+03	1.2495+03
45	1.2277+03	1.2422+03	1.2646+03	1.2389+03	1.2405+03	1.2500+03
46	1.2242+03	1.2391+03	1.2624+03	1.2358+03	1.2375+03	1.2469+03
47	1.2286+03	1.2436+03	1.2662+03	1.2402+03	1.2419+03	1.2514+03
48	1.2321+03	1.2464+03	1.2696+03	1.2439+03	1.2452+03	1.2541+03
49	1.2310+03	1.2457+03	1.2685+03	1.2428+03	1.2443+03	1.2539+03
50	1.2328+03	1.2466+03	1.2697+03	1.2442+03	1.2454+03	1.2551+03
51	1.2296+03	1.2440+03	1.2671+03	1.2411+03	1.2426+03	1.2526+03
52	1.2282+03	1.2428+03	1.2657+03	1.2398+03	1.2413+03	1.2509+03
53	1.2300+03	1.2444+03	1.2676+03	1.2415+03	1.2430+03	1.2530+03
54	1.2279+03	1.2425+03	1.2654+03	1.2396+03	1.2410+03	1.2511+03
55	1.2248+03	1.2397+03	1.2625+03	1.2364+03	1.2381+03	1.2483+03
56	1.2276+03	1.2426+03	1.2655+03	1.2397+03	1.2411+03	1.2504+03
57	1.2276+03	1.2422+03	1.2660+03	1.2396+03	1.2409+03	1.2512+03
58	1.2265+03	1.2419+03	1.2652+03	1.2389+03	1.2404+03	1.2500+03
59	1.2226+03	1.2383+03	1.2615+03	1.2350+03	1.2367+03	1.2469+03
60	1.2269+03	1.2419+03	1.2648+03	1.2390+03	1.2404+03	1.2497+03
61	1.2253+03	1.2411+03	1.2639+03	1.2378+03	1.2395+03	1.2489+03
62	1.2253+03	1.2410+03	1.2638+03	1.2377+03	1.2394+03	1.2484+03
63	1.2275+03	1.2429+03	1.2654+03	1.2395+03	1.2412+03	1.2506+03
64	1.2259+03	1.2413+03	1.2646+03	1.2384+03	1.2398+03	1.2499+03
65	1.2267+03	1.2425+03	1.2654+03	1.2395+03	1.2410+03	1.2502+03
66	1.2215+03	1.2377+03	1.2609+03	1.2348+03	1.2363+03	1.2463+03
67	1.2237+03	1.2399+03	1.2631+03	1.2370+03	1.2384+03	1.2485+03
68	1.2239+03	1.2392+03	1.2625+03	1.2363+03	1.2378+03	1.2478+03
69	1.2233+03	1.2391+03	1.2623+03	1.2362+03	1.2376+03	1.2473+03
70	1.2234+03	1.2396+03	1.2624+03	1.2367+03	1.2381+03	1.2478+03
71	1.2241+03	1.2399+03	1.2627+03	1.2370+03	1.2384+03	1.2481+03
72	1.2237+03	1.2399+03	1.2623+03	1.2366+03	1.2383+03	1.2481+03
73	1.2242+03	1.2404+03	1.2627+03	1.2370+03	1.2387+03	1.2477+03
74	1.2242+03	1.2404+03	1.2632+03	1.2371+03	1.2388+03	1.2486+03
75	1.2243+03	1.2401+03	1.2625+03	1.2368+03	1.2384+03	1.2483+03
76	1.2227+03	1.2393+03	1.2621+03	1.2364+03	1.2378+03	1.2479+03
77	1.2220+03	1.2386+03	1.2610+03	1.2353+03	1.2370+03	1.2464+03
78	1.2275+03	1.2437+03	1.2663+03	1.2403+03	1.2420+03	1.2514+03
79	1.2234+03	1.2396+03	1.2624+03	1.2367+03	1.2381+03	1.2473+03
80	1.2201+03	1.2367+03	1.2599+03	1.2330+03	1.2348+03	1.2443+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T8-182	T3-183	T3-167
41	1.2663+03	1.2648+03	1.2627+03	1.5106+03	1.5094+03	1.4981+03
42	1.2655+03	1.2639+03	1.2616+03	1.5110+03	1.5102+03	1.4985+03
43	1.2651+03	1.2632+03	1.2612+03	1.5107+03	1.5094+03	1.4981+03
44	1.2598+03	1.2582+03	1.2558+03	1.5085+03	1.5072+03	1.4961+03
45	1.2599+03	1.2583+03	1.2561+03	1.5081+03	1.5068+03	1.4958+03
46	1.2572+03	1.2557+03	1.2533+03	1.5079+03	1.5067+03	1.4956+03
47	1.2613+03	1.2597+03	1.2575+03	1.5105+03	1.5097+03	1.4984+03
48	1.2644+03	1.2625+03	1.2603+03	1.5116+03	1.5109+03	1.4995+03
49	1.2638+03	1.2619+03	1.2599+03	1.5110+03	1.5103+03	1.4989+03
50	1.2651+03	1.2635+03	1.2612+03	1.5110+03	1.5102+03	1.4989+03
51	1.2625+03	1.2606+03	1.2586+03	1.5092+03	1.5084+03	1.4972+03
52	1.2613+03	1.2597+03	1.2573+03	1.5092+03	1.5079+03	1.4967+03
53	1.2625+03	1.2610+03	1.2589+03	1.5092+03	1.5079+03	1.4972+03
54	1.2610+03	1.2594+03	1.2572+03	1.5093+03	1.5081+03	1.4969+03
55	1.2578+03	1.2563+03	1.2541+03	1.5072+03	1.5059+03	1.4949+03
56	1.2603+03	1.2587+03	1.2565+03	1.5095+03	1.5082+03	1.4974+03
57	1.2611+03	1.2595+03	1.2573+03	1.5099+03	1.5086+03	1.4978+03
58	1.2599+03	1.2580+03	1.2560+03	1.5109+03	1.5096+03	1.4983+03
59	1.2563+03	1.2549+03	1.2527+03	1.5084+03	1.5072+03	1.4965+03
60	1.2600+03	1.2580+03	1.2559+03	1.5096+03	1.5083+03	1.4971+03
61	1.2588+03	1.2573+03	1.2550+03	1.5092+03	1.5079+03	1.4972+03
62	1.2587+03	1.2572+03	1.2548+03	1.5091+03	1.5078+03	1.4971+03
63	1.2605+03	1.2590+03	1.2567+03	1.5093+03	1.5080+03	1.4973+03
64	1.2598+03	1.2578+03	1.2558+03	1.5094+03	1.5086+03	1.4974+03
65	1.2606+03	1.2590+03	1.2566+03	1.5102+03	1.5094+03	1.4977+03
66	1.2561+03	1.2542+03	1.2522+03	1.5095+03	1.5083+03	1.4971+03
67	1.2584+03	1.2564+03	1.2544+03	1.5092+03	1.5084+03	1.4972+03
68	1.2573+03	1.2558+03	1.2537+03	1.5071+03	1.5059+03	1.4953+03
69	1.2571+03	1.2552+03	1.2532+03	1.5079+03	1.5066+03	1.4960+03
70	1.2577+03	1.2561+03	1.2538+03	1.5071+03	1.5062+03	1.4956+03
71	1.2580+03	1.2564+03	1.2542+03	1.5070+03	1.5061+03	1.4951+03
72	1.2580+03	1.2561+03	1.2541+03	1.5074+03	1.5066+03	1.4960+03
73	1.2580+03	1.2561+03	1.2539+03	1.5084+03	1.5071+03	1.4964+03
74	1.2589+03	1.2570+03	1.2548+03	1.5089+03	1.5076+03	1.4965+03
75	1.2582+03	1.2562+03	1.2542+03	1.5090+03	1.5082+03	1.4970+03
76	1.2574+03	1.2558+03	1.2537+03	1.5081+03	1.5068+03	1.4958+03
77	1.2567+03	1.2548+03	1.2526+03	1.5069+03	1.5061+03	1.4951+03
78	1.2618+03	1.2598+03	1.2577+03	1.5102+03	1.5094+03	1.4985+03
79	1.2572+03	1.2557+03	1.2534+03	1.5070+03	1.5058+03	1.4952+03
80	1.2545+03	1.2526+03	1.2505+03	1.5080+03	1.5071+03	1.4965+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
41	1.4440+03	1.4349+03	1.5060+03	1.3970+03	1.3939+03	1.3955+03
42	1.4453+03	1.4357+03	1.5066+03	1.3974+03	1.3943+03	1.3959+03
43	1.4445+03	1.4350+03	1.5061+03	1.3971+03	1.3939+03	1.3955+03
44	1.4427+03	1.4333+03	1.5039+03	1.3949+03	1.3918+03	1.3934+03
45	1.4419+03	1.4330+03	1.5036+03	1.3950+03	1.3915+03	1.3932+03
46	1.4422+03	1.4329+03	1.5034+03	1.3944+03	1.3910+03	1.3927+03
47	1.4448+03	1.4357+03	1.5062+03	1.3974+03	1.3942+03	1.3958+03
48	1.4456+03	1.4359+03	1.5073+03	1.3981+03	1.3950+03	1.3966+03
49	1.4449+03	1.4357+03	1.5067+03	1.3979+03	1.3948+03	1.3963+03
50	1.4453+03	1.4357+03	1.5067+03	1.3979+03	1.3947+03	1.3963+03
51	1.4435+03	1.4336+03	1.5049+03	1.3952+03	1.3921+03	1.3936+03
52	1.4439+03	1.4340+03	1.5046+03	1.3956+03	1.3925+03	1.3940+03
53	1.4435+03	1.4340+03	1.5048+03	1.3965+03	1.3934+03	1.3949+03
54	1.4432+03	1.4337+03	1.5048+03	1.3957+03	1.3930+03	1.3944+03
55	1.4415+03	1.4318+03	1.5027+03	1.3941+03	1.3911+03	1.3926+03
56	1.4437+03	1.4343+03	1.5050+03	1.3963+03	1.3932+03	1.3947+03
57	1.4437+03	1.4342+03	1.5054+03	1.3963+03	1.3931+03	1.3947+03
58	1.4447+03	1.4356+03	1.5063+03	1.3973+03	1.3937+03	1.3955+03
59	1.4427+03	1.4333+03	1.5040+03	1.3944+03	1.3914+03	1.3929+03
60	1.4434+03	1.4344+03	1.5050+03	1.3964+03	1.3929+03	1.3947+03
61	1.4435+03	1.4340+03	1.5048+03	1.3956+03	1.3925+03	1.3941+03
62	1.4434+03	1.4344+03	1.5047+03	1.3960+03	1.3924+03	1.3942+03
63	1.4440+03	1.4345+03	1.5048+03	1.3961+03	1.3926+03	1.3944+03
64	1.4441+03	1.4346+03	1.5051+03	1.3963+03	1.3931+03	1.3947+03
65	1.4445+03	1.4350+03	1.5058+03	1.3971+03	1.3939+03	1.3955+03
66	1.4429+03	1.4339+03	1.5050+03	1.3955+03	1.3924+03	1.3940+03
67	1.4435+03	1.4340+03	1.5049+03	1.3956+03	1.3929+03	1.3943+03
68	1.4414+03	1.4317+03	1.5028+03	1.3940+03	1.3911+03	1.3925+03
69	1.4417+03	1.4328+03	1.5035+03	1.3938+03	1.3909+03	1.3923+03
70	1.4418+03	1.4325+03	1.5030+03	1.3930+03	1.3906+03	1.3918+03
71	1.4417+03	1.4320+03	1.5027+03	1.3938+03	1.3909+03	1.3924+03
72	1.4422+03	1.4324+03	1.5034+03	1.3934+03	1.3909+03	1.3922+03
73	1.4427+03	1.4333+03	1.5040+03	1.3943+03	1.3913+03	1.3928+03
74	1.4432+03	1.4337+03	1.5043+03	1.3948+03	1.3922+03	1.3935+03
75	1.4428+03	1.4338+03	1.5047+03	1.3949+03	1.3923+03	1.3936+03
76	1.4419+03	1.4326+03	1.5036+03	1.3945+03	1.3915+03	1.3930+03
77	1.4408+03	1.4320+03	1.5027+03	1.3934+03	1.3905+03	1.3919+03
78	1.4449+03	1.4349+03	1.5060+03	1.3970+03	1.3939+03	1.3955+03
79	1.4413+03	1.4321+03	1.5027+03	1.3939+03	1.3914+03	1.3926+03
80	1.4423+03	1.4329+03	1.5039+03	1.3939+03	1.3910+03	1.3924+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
41	1.5150+03	6.3938+01	1.9239+02	2.0517+02	1.3790+02	1.3047+03
42	1.5159+03	6.3893+01	1.9595+02	2.0428+02	1.3740+02	1.3039+03
43	1.5155+03	6.3106+01	1.9362+02	2.0438+02	1.3796+02	1.3031+03
44	1.5128+03	6.4475+01	1.9287+02	2.0527+02	1.4066+02	1.2994+03
45	1.5130+03	6.4136+01	1.9414+02	2.0674+02	1.4284+02	1.3008+03
46	1.5128+03	6.4868+01	1.9400+02	2.0658+02	1.4270+02	1.2989+03
47	1.5158+03	6.6075+01	1.9389+02	2.0691+02	1.4175+02	1.2992+03
48	1.5166+03	6.4134+01	1.9296+02	2.0492+02	1.4076+02	1.3041+03
49	1.5159+03	6.5251+01	1.9395+02	2.0652+02	1.4014+02	1.3031+03
50	1.5159+03	6.3450+01	1.9432+02	2.0428+02	1.3694+02	1.3039+03
51	1.5136+03	6.3884+01	1.9511+02	2.0344+02	1.3603+02	1.3014+03
52	1.5136+03	6.2953+01	1.9309+02	2.0257+02	1.3507+02	1.3005+03
53	1.5145+03	6.2548+01	1.9155+02	2.0219+02	1.3469+02	1.3018+03
54	1.5142+03	6.3114+01	1.8920+02	2.0313+02	1.3569+02	1.3011+03
55	1.5116+03	6.4142+01	1.8977+02	2.0368+02	1.3947+02	1.2995+03
56	1.5147+03	6.4565+01	1.9176+02	2.0450+02	1.3945+02	1.2999+03
57	1.5147+03	6.5422+01	1.9489+02	2.0760+02	1.4280+02	1.3016+03
58	1.5157+03	6.5545+01	1.9421+02	2.0292+02	1.3909+02	1.2995+03
59	1.5133+03	6.3557+01	1.8877+02	2.0524+02	1.3978+02	1.2989+03
60	1.5140+03	6.4244+01	1.9384+02	2.0211+02	1.3821+02	1.2991+03
61	1.5140+03	6.4319+01	1.9352+02	2.0260+02	1.3920+02	1.2997+03
62	1.5140+03	6.4232+01	1.9383+02	2.0252+02	1.3866+02	1.2987+03
63	1.5141+03	6.3504+01	1.9240+02	2.0142+02	1.3700+02	1.2997+03
64	1.5138+03	6.4505+01	1.9408+02	2.0277+02	1.3757+02	1.3003+03
65	1.5151+03	6.3993+01	1.9165+02	2.0271+02	1.3659+02	1.3006+03
66	1.5135+03	6.3321+01	1.8811+02	2.0291+02	1.3545+02	1.2973+03
67	1.5141+03	6.3441+01	1.9195+02	2.0136+02	1.3557+02	1.2983+03
68	1.5120+03	6.3645+01	1.9094+02	2.0113+02	1.3533+02	1.2976+03
69	1.5123+03	6.4337+01	1.9116+02	2.0262+02	1.3740+02	1.2979+03
70	1.5119+03	6.3549+01	1.9046+02	2.0146+02	1.3659+02	1.2975+03
71	1.5123+03	6.3456+01	1.9078+02	2.0220+02	1.3650+02	1.2979+03
72	1.5118+03	6.3492+01	1.9199+02	2.0224+02	1.3653+02	1.2979+03
73	1.5128+03	6.3951+01	1.9319+02	2.0225+02	1.3564+02	1.2965+03
74	1.5133+03	6.2677+01	1.9245+02	2.0314+02	1.3706+02	1.2989+03
75	1.5134+03	6.3201+01	1.9252+02	2.0488+02	1.3805+02	1.2985+03
76	1.5129+03	6.3684+01	1.9256+02	2.0537+02	1.3855+02	1.2976+03
77	1.5118+03	6.3887+01	1.9195+02	2.0512+02	1.3830+02	1.2969+03
78	1.5155+03	6.3492+01	1.9160+02	2.0653+02	1.3926+02	1.3010+03
79	1.5119+03	6.3980+01	1.9164+02	2.0436+02	1.3931+02	1.2979+03
80	1.5128+03	6.3989+01	1.9243+02	2.0354+02	1.3977+02	1.2948+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
41	2.0470+00	5.6020+03	1.5220+01	6.0798+00	5.1043+02	5.4212+02
42	2.0444+00	5.6060+03	1.4680+01	6.1409+00	5.3002+02	5.6280+02
43	2.0536+00	5.5970+03	1.5580+01	6.2096+00	5.3089+02	5.6372+02
44	1.9975+00	5.6010+03	1.5860+01	6.1409+00	5.1864+02	5.5079+02
45	2.0127+00	5.6010+03	1.6320+01	6.1638+00	5.2729+02	5.5992+02
46	2.0329+00	5.5980+03	1.6580+01	6.0492+00	5.1289+02	5.4472+02
47	2.0032+00	5.6020+03	1.4920+01	5.8886+00	4.9241+02	5.2310+02
48	2.0994+00	5.6000+03	1.5060+01	6.3775+00	5.3767+02	5.7088+02
49	1.9346+00	5.6000+03	1.5440+01	6.1714+00	5.1909+02	5.5127+02
50	2.0428+00	5.6000+03	1.4800+01	6.2401+00	5.3344+02	5.6641+02
51	2.0671+00	5.6000+03	1.5600+01	6.0492+00	5.1855+02	5.5069+02
52	2.0591+00	5.5920+03	1.4740+01	6.1714+00	5.2505+02	5.5755+02
53	2.0387+00	5.5950+03	1.4320+01	6.2859+00	5.3120+02	5.6404+02
54	2.0392+00	5.5980+03	1.6120+01	6.3470+00	5.2389+02	5.5633+02
55	2.1066+00	5.6000+03	1.6460+01	6.3851+00	5.2701+02	5.5963+02
56	2.0880+00	5.6030+03	1.6220+01	6.1562+00	5.1310+02	5.4494+02
57	2.1507+00	5.5980+03	1.6580+01	6.2783+00	5.3158+02	5.6444+02
58	2.0794+00	5.6030+03	1.5620+01	6.2478+00	5.2525+02	5.5777+02
59	2.1763+00	5.6010+03	1.4600+01	6.3394+00	5.1997+02	5.5219+02
60	2.0209+00	5.6050+03	1.5900+01	6.0798+00	5.1803+02	5.5014+02
61	2.1011+00	5.6000+03	1.5800+01	6.1180+00	5.1873+02	5.5088+02
62	2.0471+00	5.5970+03	1.5360+01	6.1332+00	5.1883+02	5.5099+02
63	2.0513+00	5.6000+03	1.6980+01	6.0645+00	5.1294+02	5.4477+02
64	2.0324+00	5.6020+03	1.7080+01	6.2249+00	5.2839+02	5.6108+02
65	2.0348+00	5.5970+03	1.7400+01	6.3165+00	5.2671+02	5.5930+02
66	2.0598+00	5.5970+03	2.0300+01	6.6214+00	5.4087+02	5.7425+02
67	2.0572+00	5.5990+03	1.7780+01	6.2783+00	5.2691+02	5.5952+02
68	2.0524+00	5.5980+03	1.8680+01	6.3241+00	5.2723+02	5.5985+02
69	2.0244+00	5.6010+03	1.6360+01	6.2936+00	5.2204+02	5.5438+02
70	2.0338+00	5.5940+03	1.6220+01	6.0951+00	5.0548+02	5.3689+02
71	2.0038+00	5.6030+03	1.7580+01	6.1409+00	5.1216+02	5.4395+02
72	2.0547+00	5.5960+03	1.6180+01	6.2859+00	5.3053+02	5.6333+02
73	2.0641+00	5.6020+03	1.6820+01	6.2096+00	5.2637+02	5.5895+02
74	2.0506+00	5.5980+03	1.7420+01	6.2707+00	5.3273+02	5.6566+02
75	2.0541+00	5.6000+03	1.6860+01	6.1638+00	5.2137+02	5.5366+02
76	2.0479+00	5.5970+03	1.6780+01	6.3165+00	5.3282+02	5.6576+02
77	2.0721+00	5.6020+03	1.7120+01	6.2859+00	5.2824+02	5.6092+02
78	2.0953+00	5.6010+03	1.7880+01	6.2707+00	5.2657+02	5.5916+02
79	2.0211+00	5.6020+03	1.8360+01	6.1943+00	5.1697+02	5.4902+02
80	2.0652+00	5.6000+03	1.8080+01	6.2325+00	5.2657+02	5.5916+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
41	5.8487+00	6.2821+00	7.1181+00	2.5351+01	9.9584-01	6.3632+02
42	5.6904+00	6.2105+00	7.1228+00	2.5295+01	9.9562-01	6.5758+02
43	5.7398+00	6.1819+00	7.0810+00	2.5342+01	9.9557-01	6.5632+02
44	5.5221+00	5.9337+00	6.7328+00	2.4928+01	9.9622-01	6.4280+02
45	5.6013+00	5.9671+00	6.5982+00	2.4909+01	9.9714-01	6.5216+02
46	5.6013+00	5.9099+00	6.4822+00	2.4984+01	9.9710-01	6.3672+02
47	5.8784+00	6.0578+00	6.5332+00	2.5191+01	9.9688-01	6.1722+02
48	5.8586+00	6.1723+00	6.7607+00	2.5394+01	9.9709-01	6.6546+02
49	5.7992+00	6.1866+00	6.8350+00	2.5370+01	9.9654-01	6.4541+02
50	5.8685+00	6.2630+00	7.0531+00	2.5436+01	9.9583-01	6.6186+02
51	5.7003+00	6.1294+00	7.0160+00	2.5205+01	9.9544-01	6.4474+02
52	5.5518+00	6.1103+00	7.0114+00	2.5271+01	9.9520-01	6.5304+02
53	5.6805+00	6.1580+00	7.0067+00	2.5295+01	9.9554-01	6.5993+02
54	5.4133+00	6.0626+00	7.0021+00	2.5276+01	9.9539-01	6.4946+02
55	5.4528+00	5.9433+00	6.8210+00	2.4881+01	9.9591-01	6.5198+02
56	5.5320+00	6.0435+00	6.7932+00	2.5116+01	9.9603-01	6.3771+02
57	5.6706+00	6.1103+00	6.7653+00	2.5187+01	9.9652-01	6.5776+02
58	5.7695+00	6.0912+00	6.6586+00	2.5332+01	9.9639-01	6.5195+02
59	5.5716+00	5.9862+00	6.6354+00	2.5125+01	9.9641-01	6.4800+02
60	5.6904+00	6.0483+00	6.7282+00	2.5074+01	9.9611-01	6.4329+02
61	5.6706+00	6.0721+00	6.7839+00	2.5191+01	9.9596-01	6.4584+02
62	5.6013+00	6.0721+00	6.7978+00	2.5309+01	9.9560-01	6.4713+02
63	5.6508+00	6.1485+00	6.8814+00	2.5121+01	9.9561-01	6.3820+02
64	5.5815+00	6.0578+00	6.9185+00	2.5215+01	9.9556-01	6.5549+02
65	5.5320+00	6.1246+00	6.9974+00	2.5379+01	9.9525-01	6.5348+02
66	5.3836+00	5.9337+00	6.8350+00	2.5290+01	9.9510-01	6.6444+02
67	5.6013+00	6.0196+00	6.7746+00	2.5205+01	9.9565-01	6.5303+02
68	5.6310+00	6.0483+00	6.8442+00	2.5139+01	9.9521-01	6.5203+02
69	5.5419+00	5.9862+00	6.7885+00	2.4965+01	9.9559-01	6.4978+02
70	5.5716+00	6.0339+00	6.8442+00	2.5088+01	9.9521-01	6.3310+02
71	5.6211+00	6.0244+00	6.7607+00	2.4961+01	9.9571-01	6.3777+02
72	5.5914+00	6.0721+00	6.7885+00	2.5139+01	9.9552-01	6.5941+02
73	5.6112+00	6.0578+00	6.8210+00	2.5139+01	9.9504-01	6.5427+02
74	5.5320+00	6.1294+00	7.0253+00	2.5318+01	9.9471-01	6.6081+02
75	5.4627+00	6.0626+00	7.0578+00	2.5238+01	9.9452-01	6.4981+02
76	5.5320+00	6.1007+00	6.9696+00	2.5205+01	9.9467-01	6.6144+02
77	5.4726+00	6.0149+00	6.9232+00	2.4885+01	9.9484-01	6.5617+02
78	5.7794+00	6.2153+00	7.0021+00	2.5389+01	9.9532-01	6.5315+02
79	5.6904+00	6.0817+00	6.8396+00	2.5083+01	9.9535-01	6.4304+02
80	5.5716+00	6.0005+00	6.7700+00	2.5144+01	9.9481-01	6.5166+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
41	6.3557+02	1.0000+00	1.1500+02	1.0186+05	4.3000+02	4.8200+02
42	6.3929+02	1.0000+00	1.1600+02	1.0186+05	6.3000+02	4.8400+02
43	6.4083+02	1.0000+00	1.1700+02	1.0186+05	8.3000+02	4.8600+02
44	6.4726+02	1.0000+00	1.1800+02	1.0186+05	1.0300+03	4.8800+02
45	6.4964+02	1.0000+00	1.1900+02	1.0186+05	1.2300+03	4.9000+02
46	6.4623+02	1.0000+00	1.2000+02	1.0186+05	1.4300+03	4.9200+02
47	6.4538+02	1.0000+00	1.2100+02	1.0186+05	1.6300+03	4.9400+02
48	6.4914+02	1.0000+00	1.2200+02	1.0186+05	1.8300+03	4.9600+02
49	6.4068+02	1.0000+00	1.2300+02	1.0186+05	2.0300+03	4.9800+02
50	6.3803+02	1.0000+00	1.2500+02	1.0196+05	3.0000+01	5.0200+02
51	6.3951+02	1.0000+00	1.2600+02	1.0196+05	2.3000+02	5.0400+02
52	6.3604+02	1.0000+00	1.2700+02	1.0196+05	4.3000+02	5.0600+02
53	6.3891+02	1.0000+00	1.2800+02	1.0196+05	6.3000+02	5.0800+02
54	6.4131+02	1.0000+00	1.2900+02	1.0196+05	8.3000+02	5.1000+02
55	6.4556+02	1.0000+00	1.3000+02	1.0196+05	1.0300+03	5.1200+02
56	6.4394+02	1.0000+00	1.3100+02	1.0196+05	1.2300+03	5.1400+02
57	6.4627+02	1.0000+00	1.3200+02	1.0196+05	1.4300+03	5.1600+02
58	6.4388+02	1.0000+00	1.3400+02	1.0196+05	1.8300+03	5.2000+02
59	6.4817+02	1.0000+00	1.3500+02	1.0196+05	2.0300+03	5.2200+02
60	6.4391+02	2.0000+00	1.3600+02	1.0196+05	2.2300+03	5.2400+02
61	6.4425+02	1.0000+00	1.3700+02	1.0206+05	3.0000+01	5.2600+02
62	6.3993+02	1.0000+00	1.3800+02	1.0206+05	2.3000+02	5.2800+02
63	6.4140+02	1.0000+00	1.3900+02	1.0206+05	4.3000+02	5.3000+02
64	6.4416+02	1.0000+00	1.4000+02	1.0206+05	6.3000+02	5.3200+02
65	6.3942+02	1.0000+00	1.4100+02	1.0206+05	8.3000+02	5.3400+02
66	6.4465+02	2.0000+00	1.4200+02	1.0206+05	1.0300+03	5.3600+02
67	6.4847+02	1.0000+00	1.4300+02	1.0206+05	1.2300+03	5.3800+02
68	6.4500+02	1.0000+00	1.4400+02	1.0206+05	1.4300+03	5.4000+02
69	6.4830+02	1.0000+00	1.4500+02	1.0206+05	1.6300+03	5.4200+02
70	6.4284+02	2.0000+00	1.4500+02	1.0206+05	1.6300+03	5.4200+02
71	6.4778+02	1.0000+00	1.4600+02	1.0206+05	1.8300+03	5.4400+02
72	6.4773+02	2.0000+00	1.4700+02	1.0206+05	2.0300+03	5.4600+02
73	6.5139+02	1.0000+00	1.4800+02	1.0206+05	2.2300+03	5.4800+02
74	6.4660+02	1.0000+00	1.4900+02	1.0216+05	3.0000+01	5.5000+02
75	6.4266+02	1.0000+00	1.5000+02	1.0216+05	2.3000+02	5.5200+02
76	6.4129+02	1.0000+00	1.5100+02	1.0216+05	4.3000+02	5.5400+02
77	6.4815+02	1.0000+00	1.5200+02	1.0216+05	6.3000+02	5.5600+02
78	6.4490+02	1.0000+00	1.5300+02	1.0216+05	8.3000+02	5.5800+02
79	6.4506+02	1.0000+00	1.5400+02	1.0216+05	1.0300+03	5.6000+02
80	6.4298+02	1.0000+00	1.5500+02	1.0216+05	1.2300+03	5.6200+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 21 to October 23

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
81	1.5600+02	1.0216+05	1.4300+03	1.8325+04	5.6773+02	3.8145+00
82	1.5700+02	1.0216+05	1.6300+03	1.8256+04	5.7038+02	9.2732-01
83	1.5800+02	1.0216+05	1.8300+03	1.8235+04	5.6624+02	6.3659-01
84	1.5900+02	1.0216+05	2.0300+03	1.8251+04	5.6286+02	6.9674-01
85	1.6000+02	1.0216+05	2.2300+03	1.8217+04	5.6978+02	1.6441+00
86	1.6100+02	1.0226+05	3.0000+01	1.8228+04	5.6346+02	7.6190-01
87	1.6200+02	1.0226+05	2.3000+02	1.8187+04	5.6290+02	1.0226+00
88	1.6200+02	1.0226+05	2.3500+02	1.8284+04	5.5844+02	7.9699-01
89	1.6300+02	1.0226+05	4.3000+02	1.8247+04	5.6507+02	2.8020+00
90	1.6400+02	1.0226+05	6.3000+02	1.8289+04	5.5665+02	2.3208+00
91	1.6500+02	1.0226+05	8.3000+02	1.8233+04	5.7211+02	4.9023+00
92	1.6600+02	1.0226+05	1.0300+03	1.8304+04	5.7227+02	3.3383+00
93	1.6700+02	1.0226+05	1.2300+03	1.8301+04	5.6105+02	3.9499+00
94	1.6800+02	1.0226+05	1.4300+03	1.8286+04	5.6833+02	5.3784+00
95	1.6900+02	1.0226+05	1.6300+03	1.8271+04	5.5645+02	1.3985+00
96	1.7000+02	1.0226+05	1.8300+03	1.8298+04	5.6193+02	-1.0980-01
97	1.7100+02	1.0226+05	2.0300+03	1.8181+04	5.6535+02	7.5188-01
98	1.7200+02	1.0226+05	2.2300+03	1.8304+04	5.5844+02	2.4812+00
99	1.7300+02	1.0236+05	1.0000+02	1.8246+04	5.5058+02	2.0952+00
100	1.7400+02	1.0236+05	2.3000+02	1.8249+04	5.5425+02	-1.1479-01

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
81	9.7125+01	6.6104+02	1.5055+03	1.5022+03	1.5223+03	1.5039+03
82	9.6759+01	6.6621+02	1.5060+03	1.5035+03	1.5233+03	1.5048+03
83	9.6648+01	6.6225+02	1.5031+03	1.5002+03	1.5202+03	1.5016+03
84	9.6730+01	6.5889+02	1.5031+03	1.4998+03	1.5194+03	1.5015+03
85	9.6550+01	6.6468+02	1.5048+03	1.5020+03	1.5220+03	1.5034+03
86	9.6608+01	6.5931+02	1.5045+03	1.5017+03	1.5217+03	1.5031+03
87	9.6394+01	6.5827+02	1.5029+03	1.5004+03	1.5204+03	1.5016+03
88	9.6905+01	6.5455+02	1.5040+03	1.5007+03	1.5211+03	1.5023+03
89	9.6712+01	6.5898+02	1.5044+03	1.5015+03	1.5211+03	1.5029+03
90	9.6934+01	6.5126+02	1.5039+03	1.5010+03	1.5210+03	1.5024+03
91	9.6635+01	6.6385+02	1.5047+03	1.5018+03	1.5218+03	1.5032+03
92	9.7011+01	6.6595+02	1.5035+03	1.5007+03	1.5206+03	1.5021+03
93	9.6998+01	6.5409+02	1.5045+03	1.5012+03	1.5212+03	1.5028+03
94	9.6916+01	6.5987+02	1.5044+03	1.5016+03	1.5216+03	1.5030+03
95	9.6836+01	6.5188+02	1.5011+03	1.4982+03	1.5179+03	1.4997+03
96	9.6979+01	6.5902+02	1.5039+03	1.5010+03	1.5206+03	1.5025+03
97	9.6362+01	6.6096+02	1.5026+03	1.4997+03	1.5197+03	1.5011+03
98	9.7014+01	6.5298+02	1.5028+03	1.4995+03	1.5191+03	1.5011+03
99	9.6706+01	6.4519+02	1.5023+03	1.4994+03	1.5195+03	1.5009+03
100	9.6720+01	6.5109+02	1.5036+03	1.5003+03	1.5203+03	1.5019+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
81	1.2241+03	1.2412+03	1.2635+03	1.2378+03	1.2395+03	1.2485+03
82	1.2259+03	1.2425+03	1.2649+03	1.2391+03	1.2408+03	1.2498+03
83	1.2226+03	1.2388+03	1.2616+03	1.2359+03	1.2373+03	1.2469+03
84	1.2234+03	1.2396+03	1.2620+03	1.2367+03	1.2382+03	1.2478+03
85	1.2260+03	1.2422+03	1.2651+03	1.2392+03	1.2407+03	1.2499+03
86	1.2269+03	1.2431+03	1.2656+03	1.2402+03	1.2416+03	1.2509+03
87	1.2253+03	1.2415+03	1.2638+03	1.2385+03	1.2400+03	1.2492+03
88	1.2251+03	1.2417+03	1.2641+03	1.2388+03	1.2402+03	1.2499+03
89	1.2267+03	1.2429+03	1.2659+03	1.2408+03	1.2419+03	1.2520+03
90	1.2267+03	1.2429+03	1.2654+03	1.2403+03	1.2416+03	1.2511+03
91	1.2241+03	1.2408+03	1.2635+03	1.2382+03	1.2395+03	1.2494+03
92	1.2166+03	1.2341+03	1.2574+03	1.2308+03	1.2325+03	1.2421+03
93	1.2281+03	1.2447+03	1.2674+03	1.2422+03	1.2434+03	1.2529+03
94	1.2247+03	1.2413+03	1.2642+03	1.2388+03	1.2401+03	1.2495+03
95	1.2207+03	1.2373+03	1.2605+03	1.2353+03	1.2363+03	1.2468+03
96	1.2238+03	1.2404+03	1.2632+03	1.2375+03	1.2389+03	1.2490+03
97	1.2225+03	1.2395+03	1.2623+03	1.2366+03	1.2381+03	1.2473+03
98	1.2244+03	1.2414+03	1.2642+03	1.2389+03	1.2401+03	1.2500+03
99	1.2276+03	1.2443+03	1.2664+03	1.2417+03	1.2430+03	1.2524+03
100	1.2272+03	1.2438+03	1.2664+03	1.2417+03	1.2427+03	1.2524+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
81	1.2588+03	1.2569+03	1.2547+03	1.5088+03	1.5075+03	1.4968+03
82	1.2601+03	1.2582+03	1.2561+03	1.5098+03	1.5085+03	1.4977+03
83	1.2568+03	1.2553+03	1.2530+03	1.5062+03	1.5054+03	1.4948+03
84	1.2577+03	1.2558+03	1.2538+03	1.5067+03	1.5054+03	1.4948+03
85	1.2598+03	1.2583+03	1.2560+03	1.5081+03	1.5073+03	1.4966+03
86	1.2608+03	1.2592+03	1.2570+03	1.5077+03	1.5065+03	1.4963+03
87	1.2596+03	1.2580+03	1.2556+03	1.5068+03	1.5060+03	1.4950+03
88	1.2598+03	1.2583+03	1.2560+03	1.5071+03	1.5063+03	1.4957+03
89	1.2615+03	1.2599+03	1.2578+03	1.5080+03	1.5067+03	1.4961+03
90	1.2610+03	1.2594+03	1.2571+03	1.5070+03	1.5058+03	1.4952+03
91	1.2593+03	1.2573+03	1.2553+03	1.5079+03	1.5071+03	1.4964+03
92	1.2519+03	1.2504+03	1.2481+03	1.5066+03	1.5054+03	1.4953+03
93	1.2628+03	1.2608+03	1.2588+03	1.5077+03	1.5069+03	1.4966+03
94	1.2594+03	1.2575+03	1.2555+03	1.5076+03	1.5063+03	1.4957+03
95	1.2561+03	1.2547+03	1.2525+03	1.5047+03	1.5039+03	1.4932+03
96	1.2589+03	1.2569+03	1.2549+03	1.5070+03	1.5062+03	1.4956+03
97	1.2576+03	1.2556+03	1.2535+03	1.5056+03	1.5053+03	1.4942+03
98	1.2599+03	1.2584+03	1.2561+03	1.5063+03	1.5051+03	1.4945+03
99	1.2624+03	1.2604+03	1.2584+03	1.5054+03	1.5046+03	1.4940+03
100	1.2623+03	1.2608+03	1.2585+03	1.5062+03	1.5054+03	1.4948+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
81	1.4435+03	1.4337+03	1.5044+03	1.3948+03	1.3921+03	1.3934+03
82	1.4440+03	1.4345+03	1.5053+03	1.3957+03	1.3930+03	1.3944+03
83	1.4409+03	1.4312+03	1.5021+03	1.3931+03	1.3902+03	1.3916+03
84	1.4405+03	1.4317+03	1.5023+03	1.3931+03	1.3902+03	1.3916+03
85	1.4428+03	1.4334+03	1.5040+03	1.3945+03	1.3923+03	1.3934+03
86	1.4425+03	1.4323+03	1.5035+03	1.3942+03	1.3916+03	1.3929+03
87	1.4411+03	1.4319+03	1.5026+03	1.3929+03	1.3904+03	1.3916+03
88	1.4419+03	1.4321+03	1.5030+03	1.3931+03	1.3910+03	1.3921+03
89	1.4419+03	1.4325+03	1.5036+03	1.3940+03	1.3914+03	1.3927+03
90	1.4418+03	1.4320+03	1.5027+03	1.3934+03	1.3905+03	1.3920+03
91	1.4417+03	1.4328+03	1.5038+03	1.3939+03	1.3913+03	1.3926+03
92	1.4409+03	1.4313+03	1.5024+03	1.3927+03	1.3902+03	1.3914+03
93	1.4429+03	1.4331+03	1.5037+03	1.3945+03	1.3915+03	1.3930+03
94	1.4419+03	1.4326+03	1.5032+03	1.3940+03	1.3915+03	1.3928+03
95	1.4391+03	1.4297+03	1.5006+03	1.3916+03	1.3891+03	1.3904+03
96	1.4418+03	1.4321+03	1.5030+03	1.3935+03	1.3910+03	1.3922+03
97	1.4408+03	1.4312+03	1.5017+03	1.3926+03	1.3901+03	1.3913+03
98	1.4411+03	1.4314+03	1.5020+03	1.3928+03	1.3899+03	1.3913+03
99	1.4406+03	1.4305+03	1.5013+03	1.3923+03	1.3894+03	1.3909+03
100	1.4414+03	1.4317+03	1.5022+03	1.3936+03	1.3906+03	1.3921+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TBO166	TWB116	TWB117	TLO102	TLI103	TCA122
81	1.5141+03	6.3474+01	1.9158+02	2.0347+02	1.3833+02	1.2935+03
82	1.5146+03	6.4426+01	1.9401+02	2.0522+02	1.3931+02	1.3002+03
83	1.5115+03	6.3567+01	1.9127+02	2.0314+02	1.3752+02	1.2980+03
84	1.5115+03	6.3171+01	1.9249+02	2.0235+02	1.3711+02	1.2980+03
85	1.5129+03	6.4100+01	1.9293+02	2.0198+02	1.3716+02	1.2999+03
86	1.5121+03	6.3774+01	1.9224+02	2.0209+02	1.3728+02	1.3004+03
87	1.5113+03	6.2905+01	1.9029+02	2.0169+02	1.3684+02	1.2991+03
88	1.5120+03	6.3612+01	1.9131+02	2.0277+02	1.3711+02	1.2994+03
89	1.5120+03	6.2719+01	1.9170+02	2.0151+02	1.3665+02	1.3019+03
90	1.5114+03	6.3522+01	1.9202+02	2.0227+02	1.3702+02	1.3002+03
91	1.5123+03	6.2590+01	1.9681+02	2.0097+02	1.3652+02	1.2992+03
92	1.5111+03	6.2710+01	1.9287+02	2.0192+02	1.3755+02	1.2940+03
93	1.5121+03	6.2830+01	1.9337+02	2.0203+02	1.3767+02	1.3004+03
94	1.5120+03	6.3213+01	1.9490+02	2.0281+02	1.3852+02	1.2999+03
95	1.5095+03	6.2473+01	1.9108+02	2.0170+02	1.3776+02	1.2969+03
96	1.5119+03	6.2649+01	1.9440+02	2.0186+02	1.3749+02	1.2993+03
97	1.5100+03	6.2590+01	1.9395+02	2.0097+02	1.3606+02	1.2983+03
98	1.5103+03	6.2389+01	1.9101+02	2.0079+02	1.3495+02	1.2999+03
99	1.5094+03	6.2347+01	1.9018+02	2.0116+02	1.3627+02	1.3003+03
100	1.5106+03	6.2302+01	1.9054+02	2.0112+02	1.3622+02	1.3007+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
81	2.0736+00	5.6000+03	1.8180+01	6.3622+00	5.3201+02	5.6490+02
82	2.0919+00	5.6020+03	1.7180+01	6.1943+00	5.2591+02	5.5846+02
83	2.1426+00	5.6020+03	1.7160+01	6.3165+00	5.2911+02	5.6184+02
84	2.0932+00	5.6040+03	1.7120+01	6.1562+00	5.2179+02	5.5411+02
85	1.9834+00	5.6020+03	1.7540+01	6.0721+00	5.1365+02	5.4551+02
86	2.0283+00	5.6010+03	1.7580+01	6.1638+00	5.1963+02	5.5184+02
87	2.0514+00	5.6010+03	1.7060+01	6.1943+00	5.1894+02	5.5110+02
88	2.0526+00	5.6040+03	1.7040+01	6.1180+00	5.1110+02	5.4283+02
89	2.0729+00	5.5940+03	1.9400+01	6.2249+00	5.2631+02	5.5888+02
90	2.0175+00	5.6010+03	1.9000+01	6.2401+00	5.2442+02	5.5688+02
91	2.0270+00	5.5980+03	2.0700+01	5.9192+00	5.2121+02	5.5350+02
92	2.0021+00	5.5990+03	1.9880+01	6.2478+00	5.3145+02	5.6431+02
93	2.0255+00	5.6000+03	2.0520+01	6.0721+00	5.1809+02	5.5021+02
94	2.0470+00	5.6020+03	2.1520+01	6.0568+00	5.2175+02	5.5407+02
95	2.0119+00	5.6000+03	1.8500+01	6.2020+00	5.2221+02	5.5455+02
96	2.0389+00	5.6000+03	1.7980+01	5.8351+00	5.0255+02	5.3381+02
97	2.0889+00	5.6030+03	1.8460+01	6.0033+00	5.1882+02	5.5098+02
98	2.0519+00	5.5980+03	1.9180+01	6.1027+00	5.1294+02	5.4477+02
99	1.9846+00	5.6040+03	1.9140+01	6.2020+00	5.1972+02	5.5193+02
100	2.0233+00	5.6000+03	1.8360+01	6.2554+00	5.2580+02	5.5834+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
81	5.7695+00	6.1962+00	6.8118+00	2.5267+01	9.9424-01	6.5821+02
82	5.7201+00	6.2009+00	6.9696+00	2.5314+01	9.9528-01	6.5429+02
83	5.6805+00	6.1341+00	6.7978+00	2.5022+01	9.9556-01	6.5785+02
84	5.7201+00	6.1675+00	6.8953+00	2.5008+01	9.9517-01	6.5014+02
85	5.7992+00	6.2200+00	6.9789+00	2.5177+01	9.9523-01	6.4042+02
86	5.7398+00	6.2821+00	7.1645+00	2.5224+01	9.9458-01	6.4768+02
87	5.7596+00	6.2153+00	7.0671+00	2.4984+01	9.9476-01	6.4648+02
88	5.7596+00	6.2343+00	7.0717+00	2.5050+01	9.9478-01	6.3894+02
89	5.8784+00	6.3918+00	7.2202+00	2.5342+01	9.9469-01	6.5279+02
90	5.7893+00	6.3011+00	7.1367+00	2.5130+01	9.9468-01	6.5150+02
91	5.7596+00	6.2821+00	7.1135+00	2.5356+01	9.9442-01	6.4523+02
92	5.4825+00	5.9624+00	6.8396+00	2.5224+01	9.9428-01	6.5798+02
93	5.8586+00	6.3536+00	7.1970+00	2.5314+01	9.9439-01	6.4326+02
94	5.6607+00	6.2153+00	7.1599+00	2.5215+01	9.9446-01	6.4560+02
95	5.6607+00	6.1485+00	7.0206+00	2.4951+01	9.9438-01	6.4999+02
96	5.7299+00	6.2439+00	7.0578+00	2.5262+01	9.9471-01	6.3090+02
97	5.6607+00	6.1675+00	7.0439+00	2.4970+01	9.9466-01	6.4659+02
98	5.7596+00	6.2916+00	7.1599+00	2.5111+01	9.9453-01	6.3930+02
99	5.8685+00	6.4109+00	7.2760+00	2.5069+01	9.9417-01	6.4654+02
100	5.8388+00	6.3870+00	7.3595+00	2.5182+01	9.9388-01	6.5518+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
81	6.4210+02	1.0000+00	1.5600+02	1.0216+05	1.4300+03	5.6400+02
82	6.4466+02	1.0000+00	1.5700+02	1.0216+05	1.6300+03	5.6600+02
83	6.4685+02	1.0000+00	1.5800+02	1.0216+05	1.8300+03	5.6800+02
84	6.4548+02	1.0000+00	1.5900+02	1.0216+05	2.0300+03	5.7000+02
85	6.4681+02	1.0000+00	1.6000+02	1.0216+05	2.2300+03	5.7200+02
86	6.4199+02	1.0000+00	1.6100+02	1.0226+05	3.0000+01	5.7400+02
87	6.4562+02	1.0000+00	1.6200+02	1.0226+05	2.3000+02	5.7600+02
88	6.4250+02	2.0000+00	1.6200+02	1.0226+05	2.3500+02	5.7608+02
89	6.3964+02	1.0000+00	1.6300+02	1.0226+05	4.3000+02	5.7800+02
90	6.3878+02	1.0000+00	1.6400+02	1.0226+05	6.3000+02	5.8000+02
91	6.4065+02	1.0000+00	1.6500+02	1.0226+05	8.3000+02	5.8200+02
92	6.4117+02	1.0000+00	1.6600+02	1.0226+05	1.0300+03	5.8400+02
93	6.3891+02	1.0000+00	1.6700+02	1.0226+05	1.2300+03	5.8600+02
94	6.4271+02	1.0000+00	1.6800+02	1.0226+05	1.4300+03	5.8800+02
95	6.4020+02	1.0000+00	1.6900+02	1.0226+05	1.6300+03	5.9000+02
96	6.4024+02	1.0000+00	1.7000+02	1.0226+05	1.8300+03	5.9200+02
97	6.4680+02	1.0000+00	1.7100+02	1.0226+05	2.0300+03	5.9400+02
98	6.4097+02	1.0000+00	1.7200+02	1.0226+05	2.2300+03	5.9600+02
99	6.3626+02	1.0000+00	1.7300+02	1.0236+05	1.0000+02	5.9917+02
100	6.3798+02	1.0000+00	1.7400+02	1.0236+05	2.3000+02	6.0000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 23 to October 26

ENDURANCE TEST PERFORMANCE II

	104 READ	105 DATE	106 HOUR	113 RPM	120 QWB 88	126 QST 87
1	1.7500+02	1.0236+05	4.3000+02	1.8322+04	5.6241+02	1.1228+00
2	1.7600+02	1.0236+05	6.3000+02	1.8218+04	5.6362+02	3.4837+00
3	1.7700+02	1.0236+05	8.3000+02	1.8256+04	5.5972+02	2.0602+00
4	1.7800+02	1.0236+05	1.0300+03	1.8285+04	5.6563+02	4.1103+00
5	1.7900+02	1.0236+05	1.2300+03	1.8250+04	5.6406+02	6.0602+00
6	1.7900+02	1.0236+05	1.2300+03	1.8232+04	5.6177+02	5.9599+00
7	1.8000+02	1.0236+05	1.4300+03	1.8269+04	5.6467+02	2.5414+00
8	1.8100+02	1.0236+05	1.6300+03	1.8233+04	5.7549+02	2.6566+00
9	1.8200+02	1.0236+05	1.8300+03	1.8328+04	5.6712+02	1.3534+00
10	1.8300+02	1.0236+05	2.0300+03	1.8219+04	5.6366+02	1.6942+00
11	1.8400+02	1.0236+05	2.2300+03	1.8201+04	5.7022+02	1.4486+00
12	1.8500+02	1.0246+05	3.0000+01	1.8253+04	5.6930+02	2.2256+00
13	1.8600+02	1.0246+05	2.3000+02	1.8181+04	5.6716+02	3.7694+00
14	1.8700+02	1.0246+05	4.3000+02	1.8308+04	5.5521+02	1.9198+00
15	1.8800+02	1.0246+05	6.3000+02	1.8235+04	5.6016+02	2.9424+00
16	1.8900+02	1.0246+05	8.3000+02	1.8304+04	5.5150+02	1.6190+00
17	1.9000+02	1.0246+05	1.0300+03	1.8289+04	5.5513+02	3.5840+00
18	1.9100+02	1.0246+05	1.2300+03	1.8212+04	5.6523+02	6.0652+00
19	1.9200+02	1.0246+05	1.4300+03	1.8180+04	5.7014+02	4.5163+00
20	1.9300+02	1.0246+05	1.6350+03	1.8284+04	5.5776+02	1.4586+00
21	1.9400+02	1.0246+05	1.8300+03	1.8217+04	5.6362+02	2.2356+00
22	1.9500+02	1.0246+05	2.0300+03	1.8258+04	5.6153+02	3.6291+00
23	1.9600+02	1.0246+05	2.2300+03	1.8281+04	5.5501+02	2.8471+00
24	1.9700+02	1.0256+05	3.0000+01	1.8314+04	5.5369+02	3.8596-01
25	1.9800+02	1.0256+05	2.3000+02	1.8283+04	5.5525+02	1.9599+00
26	1.9900+02	1.0256+05	4.3000+02	1.8249+04	5.5920+02	3.6090+00
27	2.0000+02	1.0256+05	6.3000+02	1.8280+04	5.5737+02	1.8997+00
28	2.0100+02	1.0256+05	8.3000+02	1.8313+04	5.6326+02	2.6917+00
29	2.0200+02	1.0256+05	1.0300+03	1.8206+04	5.6330+02	4.8120-01
30	2.0300+02	1.0256+05	1.2300+03	1.8304+04	5.6028+02	4.2757+00
31	2.0400+02	1.0256+05	1.4300+03	1.8242+04	5.5964+02	4.8972+00
32	2.0500+02	1.0256+05	1.6300+03	1.8309+04	5.5273+02	1.5439+00
33	2.0600+02	1.0256+05	1.8300+03	1.8268+04	5.6282+02	3.4286+00
34	2.0700+02	1.0256+05	2.0300+03	1.8154+04	5.6209+02	2.9724+00
35	2.0800+02	1.0256+05	2.2300+03	1.8286+04	5.6068+02	5.3083+00
36	2.0900+02	1.0266+05	3.0000+01	1.8270+04	5.5353+02	1.7393+00
37	2.1000+02	1.0266+05	2.3000+02	1.8272+04	5.5605+02	9.6241-01
38	2.1100+02	1.0266+05	4.3000+02	1.8332+04	5.4731+02	-9.4831-02
39	2.1200+02	1.0266+05	6.3000+02	1.8265+04	5.5321+02	2.7920+00
40	2.1300+02	1.0266+05	8.3000+02	1.8273+04	5.7183+02	5.1779+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.7107+01	6.5840+02	1.5019+03	1.4990+03	1.5186+03	1.5004+03
2	9.6558+01	6.5670+02	1.5020+03	1.4991+03	1.5192+03	1.5006+03
3	9.6759+01	6.5442+02	1.5029+03	1.5000+03	1.5196+03	1.5014+03
4	9.6910+01	6.5843+02	1.5034+03	1.5006+03	1.5205+03	1.5020+03
5	9.6725+01	6.5473+02	1.5020+03	1.4986+03	1.5188+03	1.5003+03
6	9.6632+01	6.5244+02	1.5018+03	1.4984+03	1.5186+03	1.5001+03
7	9.6828+01	6.5895+02	1.5023+03	1.4994+03	1.5194+03	1.5008+03
8	9.6638+01	6.6947+02	1.5040+03	1.5012+03	1.5212+03	1.5026+03
9	9.7141+01	6.6291+02	1.5033+03	1.5004+03	1.5204+03	1.5019+03
10	9.6561+01	6.5853+02	1.5035+03	1.5003+03	1.5198+03	1.5019+03
11	9.6468+01	6.6524+02	1.5066+03	1.5033+03	1.5235+03	1.5050+03
12	9.6744+01	6.6381+02	1.5084+03	1.5050+03	1.5253+03	1.5067+03
13	9.6359+01	6.5975+02	1.5079+03	1.5050+03	1.5248+03	1.5065+03
14	9.7032+01	6.5032+02	1.5089+03	1.5055+03	1.5257+03	1.5072+03
15	9.6645+01	6.5386+02	1.5102+03	1.5073+03	1.5271+03	1.5088+03
16	9.7011+01	6.4689+02	1.5098+03	1.5068+03	1.5271+03	1.5083+03
17	9.6932+01	6.4848+02	1.5070+03	1.5038+03	1.5239+03	1.5054+03
18	9.6526+01	6.5569+02	1.5075+03	1.5046+03	1.5244+03	1.5060+03
19	9.6357+01	6.6198+02	1.5070+03	1.5042+03	1.5235+03	1.5056+03
20	9.6905+01	6.5321+02	1.5062+03	1.5033+03	1.5230+03	1.5048+03
21	9.6550+01	6.5794+02	1.5058+03	1.5029+03	1.5226+03	1.5043+03
22	9.6770+01	6.5467+02	1.5058+03	1.5025+03	1.5226+03	1.5041+03
23	9.6889+01	6.4905+02	1.5066+03	1.5038+03	1.5239+03	1.5052+03
24	9.7064+01	6.5037+02	1.5098+03	1.5073+03	1.5271+03	1.5085+03
25	9.6900+01	6.5019+02	1.5125+03	1.5091+03	1.5293+03	1.5108+03
26	9.6722+01	6.5231+02	1.5148+03	1.5114+03	1.5315+03	1.5131+03
27	9.6887+01	6.5235+02	1.5162+03	1.5132+03	1.5331+03	1.5147+03
28	9.7059+01	6.5763+02	1.5175+03	1.5146+03	1.5335+03	1.5160+03
29	9.6494+01	6.5931+02	1.5130+03	1.5100+03	1.5298+03	1.5115+03
30	9.7014+01	6.5302+02	1.5065+03	1.5036+03	1.5233+03	1.5050+03
31	9.6683+01	6.5143+02	1.5049+03	1.5021+03	1.5217+03	1.5035+03
32	9.7038+01	6.4823+02	1.5056+03	1.5028+03	1.5224+03	1.5042+03
33	9.6820+01	6.5621+02	1.5063+03	1.5038+03	1.5235+03	1.5050+03
34	9.6216+01	6.5534+02	1.5050+03	1.5021+03	1.5217+03	1.5036+03
35	9.6916+01	6.5229+02	1.5048+03	1.5020+03	1.5216+03	1.5034+03
36	9.6831+01	6.4862+02	1.5065+03	1.5032+03	1.5234+03	1.5049+03
37	9.6842+01	6.5193+02	1.5058+03	1.5033+03	1.5230+03	1.5046+03
38	9.7160+01	6.4456+02	1.5066+03	1.5038+03	1.5239+03	1.5052+03
39	9.6804+01	6.4723+02	1.5070+03	1.5042+03	1.5239+03	1.5056+03
40	9.6850+01	6.6350+02	1.5093+03	1.5064+03	1.5262+03	1.5078+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2167+03	1.2342+03	1.2575+03	1.2309+03	1.2325+03	1.2422+03
2	1.2186+03	1.2365+03	1.2589+03	1.2332+03	1.2348+03	1.2441+03
3	1.2203+03	1.2377+03	1.2605+03	1.2348+03	1.2363+03	1.2459+03
4	1.2229+03	1.2404+03	1.2627+03	1.2374+03	1.2389+03	1.2481+03
5	1.2232+03	1.2402+03	1.2626+03	1.2377+03	1.2390+03	1.2480+03
6	1.2226+03	1.2396+03	1.2624+03	1.2371+03	1.2384+03	1.2478+03
7	1.2184+03	1.2359+03	1.2587+03	1.2326+03	1.2342+03	1.2434+03
8	1.2185+03	1.2368+03	1.2596+03	1.2335+03	1.2352+03	1.2445+03
9	1.2207+03	1.2386+03	1.2609+03	1.2356+03	1.2371+03	1.2463+03
10	1.2197+03	1.2371+03	1.2604+03	1.2342+03	1.2357+03	1.2470+03
11	1.2252+03	1.2423+03	1.2652+03	1.2393+03	1.2408+03	1.2509+03
12	1.2286+03	1.2460+03	1.2683+03	1.2431+03	1.2446+03	1.2542+03
13	1.2286+03	1.2460+03	1.2683+03	1.2436+03	1.2448+03	1.2542+03
14	1.2295+03	1.2469+03	1.2696+03	1.2440+03	1.2455+03	1.2546+03
15	1.2326+03	1.2506+03	1.2725+03	1.2480+03	1.2493+03	1.2581+03
16	1.2317+03	1.2492+03	1.2713+03	1.2467+03	1.2480+03	1.2572+03
17	1.2304+03	1.2474+03	1.2700+03	1.2454+03	1.2464+03	1.2554+03
18	1.2317+03	1.2492+03	1.2713+03	1.2467+03	1.2480+03	1.2572+03
19	1.2240+03	1.2423+03	1.2647+03	1.2393+03	1.2408+03	1.2505+03
20	1.2261+03	1.2435+03	1.2665+03	1.2414+03	1.2425+03	1.2521+03
21	1.2265+03	1.2439+03	1.2665+03	1.2418+03	1.2429+03	1.2521+03
22	1.2277+03	1.2452+03	1.2679+03	1.2431+03	1.2442+03	1.2534+03
23	1.2281+03	1.2456+03	1.2683+03	1.2436+03	1.2446+03	1.2538+03
24	1.2335+03	1.2514+03	1.2734+03	1.2492+03	1.2503+03	1.2595+03
25	1.2348+03	1.2526+03	1.2746+03	1.2505+03	1.2516+03	1.2604+03
26	1.2373+03	1.2547+03	1.2771+03	1.2525+03	1.2536+03	1.2637+03
27	1.2398+03	1.2576+03	1.2796+03	1.2558+03	1.2567+03	1.2658+03
28	1.2393+03	1.2568+03	1.2792+03	1.2550+03	1.2559+03	1.2662+03
29	1.2377+03	1.2551+03	1.2771+03	1.2534+03	1.2542+03	1.2637+03
30	1.2320+03	1.2500+03	1.2720+03	1.2483+03	1.2491+03	1.2580+03
31	1.2290+03	1.2469+03	1.2692+03	1.2449+03	1.2459+03	1.2550+03
32	1.2325+03	1.2499+03	1.2720+03	1.2482+03	1.2491+03	1.2579+03
33	1.2309+03	1.2484+03	1.2709+03	1.2468+03	1.2476+03	1.2568+03
34	1.2295+03	1.2475+03	1.2693+03	1.2454+03	1.2464+03	1.2555+03
35	1.2293+03	1.2477+03	1.2699+03	1.2457+03	1.2467+03	1.2557+03
36	1.2312+03	1.2486+03	1.2712+03	1.2475+03	1.2481+03	1.2575+03
37	1.2281+03	1.2460+03	1.2688+03	1.2445+03	1.2453+03	1.2546+03
38	1.2304+03	1.2483+03	1.2705+03	1.2467+03	1.2475+03	1.2559+03
39	1.2299+03	1.2483+03	1.2705+03	1.2467+03	1.2475+03	1.2568+03
40	1.2290+03	1.2479+03	1.2705+03	1.2458+03	1.2468+03	1.2559+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2519+03	1.2505+03	1.2482+03	1.5049+03	1.5042+03	1.4935+03
2	1.2543+03	1.2529+03	1.2504+03	1.5051+03	1.5047+03	1.4941+03
3	1.2556+03	1.2538+03	1.2518+03	1.5059+03	1.5051+03	1.4945+03
4	1.2580+03	1.2565+03	1.2542+03	1.5065+03	1.5057+03	1.4952+03
5	1.2583+03	1.2564+03	1.2542+03	1.5051+03	1.5039+03	1.4937+03
6	1.2581+03	1.2562+03	1.2540+03	1.5045+03	1.5037+03	1.4930+03
7	1.2532+03	1.2518+03	1.2495+03	1.5053+03	1.5046+03	1.4939+03
8	1.2547+03	1.2528+03	1.2506+03	1.5072+03	1.5064+03	1.4958+03
9	1.2566+03	1.2547+03	1.2525+03	1.5059+03	1.5056+03	1.4950+03
10	1.2559+03	1.2545+03	1.2525+03	1.5067+03	1.5058+03	1.4953+03
11	1.2612+03	1.2592+03	1.2571+03	1.5096+03	1.5087+03	1.4979+03
12	1.2641+03	1.2625+03	1.2603+03	1.5113+03	1.5106+03	1.4996+03
13	1.2645+03	1.2625+03	1.2604+03	1.5109+03	1.5101+03	1.4992+03
14	1.2649+03	1.2634+03	1.2610+03	1.5117+03	1.5110+03	1.5000+03
15	1.2679+03	1.2664+03	1.2641+03	1.5130+03	1.5122+03	1.5018+03
16	1.2670+03	1.2651+03	1.2631+03	1.5125+03	1.5118+03	1.5013+03
17	1.2658+03	1.2638+03	1.2617+03	1.5105+03	1.5092+03	1.4987+03
18	1.2670+03	1.2651+03	1.2631+03	1.5105+03	1.5092+03	1.4987+03
19	1.2604+03	1.2588+03	1.2565+03	1.5096+03	1.5087+03	1.4979+03
20	1.2624+03	1.2605+03	1.2583+03	1.5096+03	1.5083+03	1.4975+03
21	1.2624+03	1.2605+03	1.2583+03	1.5086+03	1.5078+03	1.4971+03
22	1.2637+03	1.2621+03	1.2597+03	1.5086+03	1.5078+03	1.4975+03
23	1.2641+03	1.2621+03	1.2600+03	1.5100+03	1.5092+03	1.4983+03
24	1.2697+03	1.2678+03	1.2657+03	1.5130+03	1.5122+03	1.5013+03
25	1.2706+03	1.2687+03	1.2666+03	1.5146+03	1.5143+03	1.5036+03
26	1.2733+03	1.2717+03	1.2696+03	1.5177+03	1.5169+03	1.5062+03
27	1.2762+03	1.2746+03	1.2722+03	1.5191+03	1.5183+03	1.5079+03
28	1.2758+03	1.2737+03	1.2719+03	1.5200+03	1.5196+03	1.5087+03
29	1.2737+03	1.2721+03	1.2698+03	1.5159+03	1.5151+03	1.5045+03
30	1.2682+03	1.2663+03	1.2641+03	1.5098+03	1.5086+03	1.4978+03
31	1.2649+03	1.2634+03	1.2611+03	1.5077+03	1.5073+03	1.4971+03
32	1.2682+03	1.2658+03	1.2640+03	1.5089+03	1.5081+03	1.4973+03
33	1.2667+03	1.2647+03	1.2627+03	1.5096+03	1.5088+03	1.4984+03
34	1.2654+03	1.2638+03	1.2616+03	1.5078+03	1.5070+03	1.4963+03
35	1.2661+03	1.2641+03	1.2620+03	1.5085+03	1.5073+03	1.4970+03
36	1.2673+03	1.2654+03	1.2634+03	1.5094+03	1.5086+03	1.4978+03
37	1.2645+03	1.2630+03	1.2607+03	1.5091+03	1.5083+03	1.4975+03
38	1.2666+03	1.2646+03	1.2624+03	1.5100+03	1.5087+03	1.4983+03
39	1.2670+03	1.2651+03	1.2630+03	1.5100+03	1.5096+03	1.4992+03
40	1.2662+03	1.2642+03	1.2621+03	1.5121+03	1.5118+03	1.5009+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
1	1.4398+03	1.4300+03	1.5009+03	1.3915+03	1.3890+03	1.3902+03
2	1.4407+03	1.4306+03	1.5013+03	1.3924+03	1.3895+03	1.3910+03
3	1.4411+03	1.4310+03	1.5019+03	1.3928+03	1.3899+03	1.3914+03
4	1.4418+03	1.4316+03	1.5025+03	1.3930+03	1.3905+03	1.3918+03
5	1.4403+03	1.4301+03	1.5009+03	1.3916+03	1.3887+03	1.3902+03
6	1.4401+03	1.4299+03	1.5004+03	1.3918+03	1.3889+03	1.3904+03
7	1.4405+03	1.4304+03	1.5013+03	1.3918+03	1.3894+03	1.3906+03
8	1.4424+03	1.4322+03	1.5031+03	1.3936+03	1.3911+03	1.3924+03
9	1.4411+03	1.4315+03	1.5022+03	1.3928+03	1.3899+03	1.3914+03
10	1.4405+03	1.4313+03	1.5026+03	1.3931+03	1.3906+03	1.3919+03
11	1.4447+03	1.4343+03	1.5054+03	1.3964+03	1.3932+03	1.3948+03
12	1.4461+03	1.4360+03	1.5071+03	1.3982+03	1.3951+03	1.3966+03
13	1.4465+03	1.4360+03	1.5067+03	1.3978+03	1.3946+03	1.3962+03
14	1.4469+03	1.4364+03	1.5076+03	1.3982+03	1.3951+03	1.3966+03
15	1.4485+03	1.4382+03	1.5090+03	1.4003+03	1.3969+03	1.3986+03
16	1.4477+03	1.4378+03	1.5086+03	1.3995+03	1.3964+03	1.3979+03
17	1.4456+03	1.4356+03	1.5061+03	1.3973+03	1.3942+03	1.3957+03
18	1.4452+03	1.4356+03	1.5061+03	1.3978+03	1.3946+03	1.3962+03
19	1.4443+03	1.4343+03	1.5054+03	1.3964+03	1.3932+03	1.3948+03
20	1.4434+03	1.4343+03	1.5051+03	1.3960+03	1.3928+03	1.3944+03
21	1.4434+03	1.4335+03	1.5045+03	1.3955+03	1.3924+03	1.3940+03
22	1.4438+03	1.4339+03	1.5047+03	1.3960+03	1.3924+03	1.3942+03
23	1.4452+03	1.4352+03	1.5058+03	1.3969+03	1.3932+03	1.3951+03
24	1.4477+03	1.4378+03	1.5088+03	1.3995+03	1.3964+03	1.3979+03
25	1.4498+03	1.4400+03	1.5108+03	1.4020+03	1.3991+03	1.4005+03
26	1.4529+03	1.4422+03	1.5136+03	1.4046+03	1.4011+03	1.4028+03
27	1.4547+03	1.4443+03	1.5151+03	1.4059+03	1.4024+03	1.4041+03
28	1.4551+03	1.4447+03	1.5161+03	1.4073+03	1.4032+03	1.4052+03
29	1.4502+03	1.4405+03	1.5118+03	1.4024+03	1.3991+03	1.4007+03
30	1.4446+03	1.4342+03	1.5054+03	1.3967+03	1.3935+03	1.3951+03
31	1.4438+03	1.4331+03	1.5040+03	1.3959+03	1.3924+03	1.3942+03
32	1.4437+03	1.4334+03	1.5048+03	1.3967+03	1.3931+03	1.3949+03
33	1.4448+03	1.4340+03	1.5056+03	1.3969+03	1.3933+03	1.3951+03
34	1.4430+03	1.4332+03	1.5037+03	1.3951+03	1.3916+03	1.3934+03
35	1.4433+03	1.4334+03	1.5043+03	1.3954+03	1.3919+03	1.3936+03
36	1.4442+03	1.4338+03	1.5053+03	1.3963+03	1.3927+03	1.3945+03
37	1.4443+03	1.4339+03	1.5050+03	1.3960+03	1.3924+03	1.3942+03
38	1.4447+03	1.4348+03	1.5057+03	1.3969+03	1.3932+03	1.3951+03
39	1.4452+03	1.4352+03	1.5063+03	1.3973+03	1.3937+03	1.3955+03
40	1.4473+03	1.4364+03	1.5083+03	1.3995+03	1.3960+03	1.3977+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TL I103	TCA122
1	1.5090+03	6.1450+01	1.9096+02	1.9990+02	1.3490+02	1.2953+03
2	1.5095+03	6.1123+01	1.9028+02	2.0001+02	1.3501+02	1.2950+03
3	1.5103+03	6.1116+01	1.9303+02	1.9959+02	1.3459+02	1.2955+03
4	1.5105+03	6.1730+01	1.9437+02	2.0058+02	1.3564+02	1.2975+03
5	1.5087+03	6.1580+01	1.9305+02	2.0044+02	1.3503+02	1.2973+03
6	1.5089+03	6.1380+01	1.9169+02	2.0025+02	1.3528+02	1.2975+03
7	1.5093+03	6.1380+01	1.8622+02	2.0109+02	1.3528+02	1.2957+03
8	1.5107+03	6.2812+01	1.9218+02	2.0118+02	1.3584+02	1.2963+03
9	1.5103+03	6.0681+01	1.9028+02	2.0085+02	1.3418+02	1.2964+03
10	1.5111+03	6.0951+01	1.9011+02	2.0193+02	1.3402+02	1.2976+03
11	1.5144+03	6.2440+01	1.9105+02	2.0417+02	1.3591+02	1.3008+03
12	1.5162+03	6.2440+01	1.9145+02	2.0417+02	1.3591+02	1.3029+03
13	1.5157+03	6.2883+01	1.9224+02	2.0333+02	1.3591+02	1.3033+03
14	1.5162+03	6.3770+01	1.9342+02	2.0208+02	1.3591+02	1.3033+03
15	1.5180+03	6.6430+01	1.9583+02	2.0333+02	1.3773+02	1.3050+03
16	1.5175+03	6.4657+01	1.9792+02	2.0250+02	1.3591+02	1.3046+03
17	1.5148+03	6.2440+01	1.9625+02	2.0042+02	1.3458+02	1.3029+03
18	1.5157+03	6.1553+01	1.9461+02	2.0042+02	1.3417+02	1.3033+03
19	1.5144+03	6.1996+01	1.9708+02	2.0083+02	1.3458+02	1.3004+03
20	1.5135+03	6.2883+01	1.9303+02	2.0083+02	1.3458+02	1.3017+03
21	1.5130+03	6.0666+01	1.9105+02	1.9875+02	1.3333+02	1.3004+03
22	1.5135+03	5.9779+01	1.9027+02	1.9833+02	1.3167+02	1.3012+03
23	1.5148+03	6.1553+01	1.9263+02	1.9875+02	1.3250+02	1.3021+03
24	1.5175+03	6.5100+01	1.9500+02	2.0208+02	1.3500+02	1.3054+03
25	1.5198+03	6.5544+01	1.9583+02	2.0333+02	1.3636+02	1.3075+03
26	1.5223+03	6.6874+01	2.0000+02	2.0636+02	1.3955+02	1.3100+03
27	1.5235+03	6.8204+01	2.0102+02	2.0773+02	1.4125+02	1.3123+03
28	1.5248+03	6.9534+01	2.0450+02	2.1042+02	1.4417+02	1.3132+03
29	1.5202+03	6.5100+01	1.9958+02	2.0545+02	1.3864+02	1.3105+03
30	1.5138+03	5.9621+01	1.9652+02	2.0110+02	1.3443+02	1.3049+03
31	1.5126+03	6.0639+01	1.9379+02	2.0164+02	1.3543+02	1.3029+03
32	1.5133+03	6.0936+01	1.9010+02	2.0150+02	1.3573+02	1.3057+03
33	1.5140+03	6.0723+01	1.9071+02	2.0172+02	1.3597+02	1.3046+03
34	1.5122+03	6.0278+01	1.9032+02	1.9964+02	1.3380+02	1.3030+03
35	1.5125+03	5.9219+01	1.9095+02	1.9947+02	1.3281+02	1.3028+03
36	1.5138+03	6.0103+01	1.9095+02	1.9947+02	1.3280+02	1.3036+03
37	1.5135+03	6.0666+01	1.9184+02	2.0042+02	1.3458+02	1.3008+03
38	1.5144+03	6.1553+01	1.8941+02	2.0083+02	1.3417+02	1.3033+03
39	1.5148+03	6.1996+01	1.9145+02	2.0125+02	1.3458+02	1.3029+03
40	1.5171+03	6.1553+01	1.9500+02	2.0167+02	1.3458+02	1.3025+03

ENDURANCE TEST PERFORMANCE II

	328	329	330	335	390	340
	FLOW	RTDNET	PST185	W FLOW	QHB	QWBCAL
1	2.0192+00	5.5940+03	1.9000+01	6.1180+00	5.1730+02	5.4937+02
2	2.0269+00	5.6020+03	2.0580+01	6.1256+00	5.1945+02	5.5164+02
3	2.0182+00	5.5980+03	1.9520+01	6.1485+00	5.3143+02	5.6429+02
4	1.9840+00	5.5990+03	2.0780+01	5.9957+00	5.2025+02	5.5248+02
5	1.9885+00	5.5980+03	2.2120+01	6.1409+00	5.2917+02	5.6190+02
6	1.9912+00	5.5980+03	2.2320+01	6.0951+00	5.2108+02	5.5336+02
7	2.0584+00	5.5920+03	1.9900+01	6.4919+00	5.3065+02	5.6346+02
8	2.0536+00	5.6050+03	2.0680+01	6.1180+00	5.1921+02	5.5139+02
9	2.0037+00	5.5920+03	1.9260+01	6.1562+00	5.2069+02	5.5295+02
10	2.0536+00	5.5960+03	1.9380+01	6.2172+00	5.2723+02	5.5985+02
11	2.0567+00	5.5980+03	1.9400+01	6.3699+00	5.3840+02	5.7165+02
12	2.0083+00	5.6000+03	1.9460+01	6.3546+00	5.3723+02	5.7041+02
13	1.9998+00	5.6010+03	2.0660+01	6.0568+00	5.1547+02	5.4744+02
14	2.0726+00	5.6040+03	2.0000+01	5.9345+00	5.0271+02	5.3397+02
15	2.0132+00	5.5980+03	2.0380+01	6.0416+00	5.1284+02	5.4466+02
16	2.0436+00	5.6020+03	1.9600+01	6.0110+00	5.2347+02	5.5589+02
17	2.0468+00	5.6000+03	2.1420+01	5.8810+00	5.1469+02	5.4661+02
18	2.0513+00	5.6010+03	2.3600+01	6.0186+00	5.2595+02	5.5850+02
19	2.0577+00	5.6020+03	2.1580+01	6.0186+00	5.3493+02	5.6798+02
20	1.9863+00	5.6000+03	2.0180+01	6.0033+00	5.1114+02	5.4287+02
21	2.0253+00	5.6000+03	2.0400+01	6.2020+00	5.3099+02	5.6382+02
22	2.0584+00	5.6010+03	2.2120+01	6.1256+00	5.2365+02	5.5608+02
23	2.0772+00	5.6010+03	2.1380+01	6.1103+00	5.2408+02	5.5653+02
24	2.0062+00	5.5990+03	1.9420+01	5.8963+00	5.0026+02	5.3139+02
25	2.0557+00	5.5980+03	2.0360+01	6.0874+00	5.1891+02	5.5107+02
26	2.0653+00	5.5990+03	2.2580+01	6.0033+00	5.2384+02	5.5628+02
27	2.0600+00	5.6020+03	2.0820+01	6.0186+00	5.2307+02	5.5547+02
28	2.0347+00	5.6000+03	2.1780+01	5.9269+00	5.2250+02	5.5486+02
29	2.0174+00	5.5980+03	2.0600+01	5.7968+00	5.1218+02	5.4397+02
30	2.0348+00	5.6000+03	2.3180+01	5.9422+00	5.3159+02	5.6445+02
31	2.0597+00	5.6000+03	2.3680+01	5.9957+00	5.2350+02	5.5591+02
32	2.0905+00	5.6040+03	2.2180+01	6.1332+00	5.1755+02	5.4964+02
33	2.0185+00	5.6020+03	2.3480+01	6.0798+00	5.1748+02	5.4956+02
34	2.0254+00	5.5980+03	2.2140+01	6.0721+00	5.2027+02	5.5251+02
35	2.0246+00	5.5930+03	2.3660+01	6.0645+00	5.2259+02	5.5495+02
36	2.0216+00	5.5980+03	2.1180+01	6.1562+00	5.2738+02	5.6001+02
37	2.0327+00	5.6030+03	2.1080+01	6.1714+00	5.2997+02	5.6275+02
38	1.9943+00	5.5930+03	2.0380+01	6.2172+00	5.1867+02	5.5082+02
39	2.0244+00	5.6010+03	2.1780+01	6.2707+00	5.3162+02	5.6449+02
40	2.0627+00	5.5970+03	2.3420+01	6.2554+00	5.4643+02	5.8012+02

ENDURANCE TEST PERFORMANCE II

	347 P8PSIA	351 P7PSIA	353 PSCAL	357 P1PSIA	373 X1	385 QNETC
1	5.4924+00	6.0769+00	7.0949+00	2.5158+01	9.9358-01	6.4536+02
2	5.5716+00	6.1675+00	7.1645+00	2.5139+01	9.9321-01	6.4471+02
3	5.7596+00	6.2200+00	7.1042+00	2.5262+01	9.9352-01	6.5899+02
4	5.8685+00	6.2677+00	7.0856+00	2.5295+01	9.9410-01	6.4528+02
5	5.9477+00	6.3155+00	7.0392+00	2.5125+01	9.9434-01	6.5256+02
6	5.9477+00	6.3393+00	7.0206+00	2.5102+01	9.9449-01	6.4403+02
7	5.8487+00	6.2200+00	6.9278+00	2.5267+01	9.9433-01	6.5775+02
8	5.8289+00	6.1675+00	6.8721+00	2.5224+01	9.9472-01	6.4537+02
9	5.9279+00	6.2487+00	6.9464+00	2.5276+01	9.9441-01	6.4873+02
10	5.9378+00	6.2534+00	6.9603+00	2.5290+01	9.9465-01	6.5472+02
11	5.9873+00	6.2582+00	7.0067+00	2.5379+01	9.9526-01	6.6667+02
12	5.9873+00	6.3155+00	7.0996+00	2.5427+01	9.9540-01	6.6493+02
13	5.9576+00	6.2725+00	7.0856+00	2.5304+01	9.9562-01	6.4003+02
14	5.8091+00	6.2725+00	7.1738+00	2.5229+01	9.9530-01	6.2909+02
15	5.9477+00	6.3345+00	7.1274+00	2.5271+01	9.9590-01	6.3837+02
16	5.9081+00	6.2677+00	7.1135+00	2.5257+01	9.9586-01	6.5128+02
17	5.8685+00	6.2534+00	7.1367+00	2.5097+01	9.9541-01	6.3996+02
18	5.9576+00	6.3107+00	7.1274+00	2.5252+01	9.9548-01	6.4896+02
19	5.6805+00	6.0817+00	6.8860+00	2.5139+01	9.9576-01	6.5982+02
20	5.7497+00	6.1246+00	6.8535+00	2.5116+01	9.9623-01	6.3832+02
21	5.7695+00	6.1675+00	6.8814+00	2.5107+01	9.9580-01	6.5814+02
22	5.7893+00	6.2248+00	7.0021+00	2.5102+01	9.9552-01	6.4922+02
23	5.7893+00	6.1914+00	6.9557+00	2.5055+01	9.9595-01	6.5057+02
24	5.8685+00	6.2916+00	7.0903+00	2.5219+01	9.9618-01	6.2807+02
25	5.7497+00	6.2343+00	7.1970+00	2.5215+01	9.9630-01	6.4601+02
26	5.7299+00	6.2821+00	7.2899+00	2.5304+01	9.9655-01	6.4939+02
27	5.7893+00	6.3298+00	7.2574+00	2.5337+01	9.9726-01	6.5045+02
28	5.6805+00	6.3202+00	7.3177+00	2.5417+01	9.9722-01	6.4923+02
29	5.7596+00	6.3679+00	7.2899+00	2.5323+01	9.9666-01	6.3998+02
30	5.8487+00	6.4061+00	7.1460+00	2.5267+01	9.9579-01	6.5719+02
31	5.6904+00	6.2534+00	7.0763+00	2.5055+01	9.9566-01	6.4770+02
32	5.9774+00	6.4490+00	7.1599+00	2.5238+01	9.9596-01	6.4513+02
33	5.9180+00	6.3632+00	7.0763+00	2.5285+01	9.9601-01	6.4295+02
34	5.8685+00	6.2964+00	7.0439+00	2.4998+01	9.9584-01	6.4575+02
35	5.9279+00	6.3441+00	7.0903+00	2.5243+01	9.9550-01	6.4656+02
36	5.9675+00	6.4109+00	7.1413+00	2.5314+01	9.9547-01	6.5510+02
37	5.6409+00	6.2534+00	7.1831+00	2.5149+01	9.9465-01	6.5863+02
38	5.7102+00	6.2439+00	7.1970+00	2.5003+01	9.9531-01	6.4807+02
39	5.7497+00	6.2630+00	7.1878+00	2.5078+01	9.9521-01	6.5850+02
40	5.6904+00	6.2105+00	7.1738+00	2.5361+01	9.9502-01	6.7180+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
1	6.3766+02	1.0000+00	1.7500+02	1.0236+05	4.3000+02	6.0200+02
2	6.3614+02	1.0000+00	1.7600+02	1.0236+05	6.3000+02	6.0400+02
3	6.3261+02	1.0000+00	1.7700+02	1.0236+05	8.3000+02	6.0600+02
4	6.3888+02	1.0000+00	1.7800+02	1.0236+05	1.0300+03	6.0800+02
5	6.4031+02	1.0000+00	1.7900+02	1.0236+05	1.2300+03	6.1000+02
6	6.3771+02	2.0000+00	1.7900+02	1.0236+05	1.2300+03	6.1000+02
7	6.3558+02	1.0000+00	1.8000+02	1.0236+05	1.4300+03	6.1200+02
8	6.4526+02	1.0000+00	1.8100+02	1.0236+05	1.6300+03	6.1400+02
9	6.4302+02	1.0000+00	1.8200+02	1.0236+05	1.8300+03	6.1600+02
10	6.3378+02	1.0000+00	1.8300+02	1.0236+05	2.0300+03	6.1800+02
11	6.4032+02	1.0000+00	1.8400+02	1.0236+05	2.2300+03	6.2000+02
12	6.4172+02	1.0000+00	1.8500+02	1.0246+05	3.0000+01	6.2200+02
13	6.3937+02	1.0000+00	1.8600+02	1.0246+05	2.3000+02	6.2400+02
14	6.3562+02	1.0000+00	1.8700+02	1.0246+05	4.3000+02	6.2600+02
15	6.3872+02	1.0000+00	1.8800+02	1.0246+05	6.3000+02	6.2800+02
16	6.3311+02	1.0000+00	1.8900+02	1.0246+05	8.3000+02	6.3000+02
17	6.3935+02	1.0000+00	1.9000+02	1.0246+05	1.0300+03	6.3200+02
18	6.4154+02	2.0000+00	1.9100+02	1.0246+05	1.2300+03	6.3400+02
19	6.4212+02	1.0000+00	1.9200+02	1.0246+05	1.4300+03	6.3600+02
20	6.3960+02	1.0000+00	1.9300+02	1.0246+05	1.6350+03	6.3808+02
21	6.4353+02	1.0000+00	1.9400+02	1.0246+05	1.8300+03	6.4000+02
22	6.4321+02	1.0000+00	1.9500+02	1.0246+05	2.0300+03	6.4200+02
23	6.3896+02	1.0000+00	1.9600+02	1.0246+05	2.2300+03	6.4400+02
24	6.4013+02	1.0000+00	1.9700+02	1.0256+05	3.0000+01	6.4600+02
25	6.3841+02	1.0000+00	1.9800+02	1.0256+05	2.3000+02	6.4800+02
26	6.3741+02	1.0000+00	1.9900+02	1.0256+05	4.3000+02	6.5000+02
27	6.3937+02	1.0000+00	2.0000+02	1.0256+05	6.3000+02	6.5200+02
28	6.4115+02	1.0000+00	2.0100+02	1.0256+05	8.3000+02	6.5400+02
29	6.4482+02	1.0000+00	2.0200+02	1.0256+05	1.0300+03	6.5600+02
30	6.4332+02	1.0000+00	2.0300+02	1.0256+05	1.2300+03	6.5800+02
31	6.4337+02	1.0000+00	2.0400+02	1.0256+05	1.4300+03	6.6000+02
32	6.4028+02	1.0000+00	2.0500+02	1.0256+05	1.6300+03	6.6200+02
33	6.4325+02	1.0000+00	2.0600+02	1.0256+05	1.8300+03	6.6400+02
34	6.4681+02	1.0000+00	2.0700+02	1.0256+05	2.0300+03	6.6600+02
35	6.4162+02	1.0000+00	2.0800+02	1.0256+05	2.2300+03	6.6800+02
36	6.3590+02	1.0000+00	2.0900+02	1.0266+05	3.0000+01	6.7000+02
37	6.4051+02	1.0000+00	2.1000+02	1.0266+05	2.3000+02	6.7200+02
38	6.4052+02	1.0000+00	2.1100+02	1.0266+05	4.3000+02	6.7400+02
39	6.3900+02	1.0000+00	2.1200+02	1.0266+05	6.3000+02	6.7600+02
40	6.4505+02	1.0000+00	2.1300+02	1.0266+05	8.3000+02	6.7800+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 26 to October 29

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
41	2.1400+02	1.0266+05	1.0300+03	1.8306+04	5.6439+02	4.7719+00
42	2.1500+02	1.0266+05	1.2300+03	1.8228+04	5.6004+02	6.3308+00
43	2.1600+02	1.0266+05	1.4300+03	1.8268+04	5.5733+02	4.1905+00
44	2.1700+02	1.0266+05	1.6300+03	1.8192+04	5.6704+02	2.5764+00
45	2.1800+02	1.0266+05	1.8300+03	1.8294+04	5.5381+02	2.0000+00
46	2.1900+02	1.0266+05	2.0300+03	1.8209+04	5.6197+02	1.9048+00
47	2.2000+02	1.0266+05	2.2300+03	1.8196+04	5.6254+02	4.3709+00
48	2.2100+02	1.0276+05	3.0000+01	1.8221+04	5.5940+02	2.3810+00
49	2.2200+02	1.0276+05	2.3000+02	1.8285+04	5.6089+02	2.2957+00
50	2.2300+02	1.0276+05	4.3000+02	1.8236+04	5.6245+02	1.8296+00
51	2.2400+02	1.0276+05	6.3000+02	1.8158+04	5.6877+02	3.0927+00
52	2.2500+02	1.0276+05	8.3000+02	1.8226+04	5.6032+02	2.2506+00
53	2.2600+02	1.0276+05	1.0300+03	1.8271+04	5.4950+02	-3.0445+00
54	2.2700+02	1.0276+05	1.2300+03	1.8265+04	5.5098+02	-3.5436+00
55	2.2800+02	1.0276+05	1.4300+03	1.8270+04	5.5409+02	-2.3358+00
56	2.2900+02	1.0276+05	1.6300+03	1.8253+04	5.5577+02	-2.4656+00
57	2.3000+02	1.0276+05	1.8300+03	1.8200+04	5.6334+02	-2.8449+00
58	2.3200+02	1.0276+05	2.2300+03	1.8281+04	5.4934+02	-4.4370+00
59	2.3300+02	1.0286+05	3.0000+01	1.8264+04	5.4966+02	-4.9211+00
60	2.3400+02	1.0286+05	2.3000+02	1.8328+04	5.4974+02	-4.2224+00
61	2.3500+02	1.0286+05	4.3000+02	1.8242+04	5.5948+02	-4.3472+00
62	2.3500+02	1.0286+05	4.3500+02	1.8315+04	5.5489+02	-4.2274+00
63	2.3600+02	1.0286+05	6.3000+02	1.8251+04	5.6640+02	-1.7568+00
64	2.3700+02	1.0286+05	8.3000+02	1.8259+04	5.5349+02	-3.4887+00
65	2.3800+02	1.0286+05	1.0300+03	1.8120+04	5.5465+02	-3.8780+00
66	2.3900+02	1.0286+05	1.2300+03	1.8225+04	5.6085+02	-4.1126+00
67	2.4000+02	1.0286+05	1.4300+03	1.8244+04	5.7497+02	-4.1226+00
68	2.4100+02	1.0286+05	1.6300+03	1.8320+04	5.7276+02	-5.3154+00
69	2.4200+02	1.0286+05	1.8300+03	1.8222+04	5.7449+02	-3.9479+00
70	2.4300+02	1.0286+05	2.0300+03	1.8321+04	5.6720+02	-4.3023+00
71	2.4400+02	1.0286+05	2.2300+03	1.8280+04	5.5884+02	-5.1108+00
72	2.4500+02	1.0296+05	3.0000+01	1.8238+04	5.5749+02	-5.9892+00
73	2.4600+02	1.0296+05	2.3000+02	1.8245+04	5.4870+02	-4.5418+00
74	2.4700+02	1.0296+05	4.3000+02	1.8202+04	5.5473+02	-3.5386+00
75	2.4800+02	1.0296+05	6.3000+02	1.8238+04	5.5002+02	-4.3821+00
76	2.4900+02	1.0296+05	8.3000+02	1.8299+04	5.4411+02	-4.2274+00
77	2.5000+02	1.0296+05	1.0300+03	1.8261+04	5.4188+02	-2.0962+00
78	2.5100+02	1.0296+05	1.2300+03	1.8265+04	5.4096+02	-3.7383+00
79	2.5100+02	1.0296+05	1.2300+03	1.8268+04	5.4762+02	-1.1679+00
80	2.5200+02	1.0296+05	1.4300+03	1.8297+04	5.4184+02	-3.6934-01

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
41	9.7022+01	6.5664+02	1.5047+03	1.5022+03	1.5218+03	1.5034+03
42	9.6611+01	6.5032+02	1.5050+03	1.5021+03	1.5217+03	1.5035+03
43	9.6820+01	6.4996+02	1.5043+03	1.5015+03	1.5211+03	1.5029+03
44	9.6418+01	6.6088+02	1.5064+03	1.5035+03	1.5232+03	1.5049+03
45	9.6958+01	6.4877+02	1.5069+03	1.5040+03	1.5238+03	1.5055+03
46	9.6508+01	6.5657+02	1.5070+03	1.5037+03	1.5230+03	1.5054+03
47	9.6439+01	6.5460+02	1.5059+03	1.5035+03	1.5232+03	1.5047+03
48	9.6571+01	6.5359+02	1.5073+03	1.5044+03	1.5242+03	1.5058+03
49	9.6910+01	6.5550+02	1.5059+03	1.5030+03	1.5227+03	1.5045+03
50	9.6653+01	6.5728+02	1.5079+03	1.5050+03	1.5248+03	1.5065+03
51	9.6240+01	6.6192+02	1.5116+03	1.5082+03	1.5284+03	1.5099+03
52	9.6598+01	6.5467+02	1.5102+03	1.5073+03	1.5271+03	1.5088+03
53	9.6839+01	6.4938+02	1.5040+03	1.5016+03	1.5207+03	1.5028+03
54	9.6804+01	6.5133+02	1.5042+03	1.5013+03	1.5204+03	1.5027+03
55	9.6834+01	6.5326+02	1.5060+03	1.5031+03	1.5224+03	1.5046+03
56	9.6744+01	6.5498+02	1.5061+03	1.5032+03	1.5229+03	1.5047+03
57	9.6463+01	6.6265+02	1.5073+03	1.5044+03	1.5237+03	1.5058+03
58	9.6892+01	6.5067+02	1.5059+03	1.5030+03	1.5223+03	1.5045+03
59	9.6799+01	6.5138+02	1.5064+03	1.5035+03	1.5224+03	1.5050+03
60	9.7141+01	6.5110+02	1.5045+03	1.5017+03	1.5212+03	1.5031+03
61	9.6683+01	6.6051+02	1.5093+03	1.5064+03	1.5262+03	1.5078+03
62	9.7069+01	6.5619+02	1.5093+03	1.5064+03	1.5257+03	1.5078+03
63	9.6730+01	6.6489+02	1.5116+03	1.5087+03	1.5284+03	1.5101+03
64	9.6775+01	6.5376+02	1.5125+03	1.5096+03	1.5293+03	1.5110+03
65	9.6039+01	6.5457+02	1.5066+03	1.5038+03	1.5226+03	1.5052+03
66	9.6592+01	6.6155+02	1.5029+03	1.5000+03	1.5196+03	1.5014+03
67	9.6696+01	6.7579+02	1.5029+03	1.5004+03	1.5196+03	1.5016+03
68	9.7099+01	6.7517+02	1.4993+03	1.4968+03	1.5163+03	1.4980+03
69	9.6579+01	6.7501+02	1.4997+03	1.4972+03	1.5167+03	1.4985+03
70	9.7104+01	6.6861+02	1.5020+03	1.4995+03	1.5191+03	1.5008+03
71	9.6884+01	6.6084+02	1.5065+03	1.5045+03	1.5243+03	1.5055+03
72	9.6664+01	6.6014+02	1.5068+03	1.5043+03	1.5237+03	1.5055+03
73	9.6698+01	6.4994+02	1.5064+03	1.5044+03	1.5237+03	1.5054+03
74	9.6473+01	6.5474+02	1.5075+03	1.5050+03	1.5248+03	1.5062+03
75	9.6664+01	6.5107+02	1.5089+03	1.5064+03	1.5257+03	1.5076+03
76	9.6985+01	6.4532+02	1.5075+03	1.5055+03	1.5248+03	1.5065+03
77	9.6783+01	6.4076+02	1.5049+03	1.5029+03	1.5221+03	1.5039+03
78	9.6807+01	6.4150+02	1.5064+03	1.5039+03	1.5232+03	1.5052+03
79	9.6823+01	6.4562+02	1.5063+03	1.5038+03	1.5231+03	1.5050+03
80	9.6974+01	6.3918+02	1.5064+03	1.5044+03	1.5237+03	1.5054+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
41	1.2241+03	1.2424+03	1.2649+03	1.2403+03	1.2413+03	1.2510+03
42	1.2282+03	1.2470+03	1.2692+03	1.2454+03	1.2462+03	1.2551+03
43	1.2280+03	1.2463+03	1.2682+03	1.2443+03	1.2453+03	1.2540+03
44	1.2275+03	1.2462+03	1.2685+03	1.2438+03	1.2450+03	1.2539+03
45	1.2320+03	1.2504+03	1.2724+03	1.2487+03	1.2495+03	1.2584+03
46	1.2299+03	1.2483+03	1.2705+03	1.2467+03	1.2475+03	1.2572+03
47	1.2287+03	1.2480+03	1.2698+03	1.2460+03	1.2470+03	1.2560+03
48	1.2301+03	1.2485+03	1.2711+03	1.2474+03	1.2479+03	1.2579+03
49	1.2258+03	1.2445+03	1.2671+03	1.2428+03	1.2436+03	1.2535+03
50	1.2281+03	1.2474+03	1.2696+03	1.2454+03	1.2464+03	1.2554+03
51	1.2326+03	1.2518+03	1.2738+03	1.2501+03	1.2509+03	1.2604+03
52	1.2317+03	1.2506+03	1.2725+03	1.2484+03	1.2495+03	1.2586+03
53	1.2268+03	1.2455+03	1.2674+03	1.2435+03	1.2445+03	1.2541+03
54	1.2261+03	1.2452+03	1.2666+03	1.2427+03	1.2440+03	1.2530+03
55	1.2280+03	1.2472+03	1.2694+03	1.2456+03	1.2464+03	1.2552+03
56	1.2293+03	1.2482+03	1.2704+03	1.2466+03	1.2474+03	1.2566+03
57	1.2284+03	1.2477+03	1.2694+03	1.2456+03	1.2466+03	1.2557+03
58	1.2305+03	1.2498+03	1.2710+03	1.2477+03	1.2487+03	1.2578+03
59	1.2306+03	1.2499+03	1.2719+03	1.2482+03	1.2490+03	1.2588+03
60	1.2228+03	1.2427+03	1.2643+03	1.2398+03	1.2412+03	1.2505+03
61	1.2281+03	1.2479+03	1.2700+03	1.2458+03	1.2468+03	1.2559+03
62	1.2269+03	1.2469+03	1.2692+03	1.2445+03	1.2457+03	1.2550+03
63	1.2281+03	1.2483+03	1.2709+03	1.2467+03	1.2475+03	1.2572+03
64	1.2299+03	1.2506+03	1.2721+03	1.2480+03	1.2493+03	1.2581+03
65	1.2261+03	1.2456+03	1.2679+03	1.2436+03	1.2446+03	1.2538+03
66	1.2219+03	1.2419+03	1.2634+03	1.2393+03	1.2406+03	1.2500+03
67	1.2150+03	1.2356+03	1.2580+03	1.2332+03	1.2344+03	1.2436+03
68	1.2128+03	1.2334+03	1.2555+03	1.2310+03	1.2322+03	1.2409+03
69	1.2140+03	1.2347+03	1.2568+03	1.2323+03	1.2335+03	1.2423+03
70	1.2203+03	1.2402+03	1.2622+03	1.2381+03	1.2392+03	1.2480+03
71	1.2272+03	1.2473+03	1.2696+03	1.2457+03	1.2465+03	1.2558+03
72	1.2292+03	1.2494+03	1.2710+03	1.2477+03	1.2486+03	1.2574+03
73	1.2310+03	1.2512+03	1.2723+03	1.2490+03	1.2501+03	1.2592+03
74	1.2313+03	1.2514+03	1.2725+03	1.2496+03	1.2505+03	1.2595+03
75	1.2335+03	1.2539+03	1.2750+03	1.2521+03	1.2530+03	1.2621+03
76	1.2331+03	1.2531+03	1.2742+03	1.2513+03	1.2522+03	1.2608+03
77	1.2308+03	1.2510+03	1.2721+03	1.2496+03	1.2503+03	1.2590+03
78	1.2319+03	1.2520+03	1.2731+03	1.2502+03	1.2511+03	1.2597+03
79	1.2322+03	1.2519+03	1.2734+03	1.2509+03	1.2514+03	1.2604+03
80	1.2324+03	1.2524+03	1.2735+03	1.2511+03	1.2517+03	1.2606+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
41	1.2609+03	1.2594+03	1.2571+03	1.5079+03	1.5071+03	1.4964+03
42	1.2650+03	1.2634+03	1.2611+03	1.5082+03	1.5074+03	1.4971+03
43	1.2639+03	1.2620+03	1.2600+03	1.5075+03	1.5063+03	1.4961+03
44	1.2643+03	1.2623+03	1.2602+03	1.5093+03	1.5085+03	1.4981+03
45	1.2686+03	1.2667+03	1.2646+03	1.5098+03	1.5095+03	1.4990+03
46	1.2670+03	1.2651+03	1.2631+03	1.5100+03	1.5092+03	1.4987+03
47	1.2659+03	1.2639+03	1.2619+03	1.5102+03	1.5089+03	1.4985+03
48	1.2672+03	1.2653+03	1.2635+03	1.5107+03	1.5099+03	1.4994+03
49	1.2630+03	1.2614+03	1.2593+03	1.5092+03	1.5084+03	1.4980+03
50	1.2654+03	1.2638+03	1.2615+03	1.5113+03	1.5106+03	1.5000+03
51	1.2706+03	1.2687+03	1.2666+03	1.5146+03	1.5139+03	1.5036+03
52	1.2688+03	1.2673+03	1.2649+03	1.5130+03	1.5122+03	1.5018+03
53	1.2636+03	1.2621+03	1.2599+03	1.5067+03	1.5064+03	1.4958+03
54	1.2629+03	1.2614+03	1.2591+03	1.5069+03	1.5065+03	1.4963+03
55	1.2656+03	1.2636+03	1.2615+03	1.5089+03	1.5081+03	1.4977+03
56	1.2669+03	1.2650+03	1.2628+03	1.5085+03	1.5077+03	1.4978+03
57	1.2656+03	1.2636+03	1.2616+03	1.5098+03	1.5094+03	1.4990+03
58	1.2675+03	1.2656+03	1.2637+03	1.5088+03	1.5084+03	1.4980+03
59	1.2686+03	1.2667+03	1.2647+03	1.5093+03	1.5085+03	1.4981+03
60	1.2604+03	1.2588+03	1.2565+03	1.5073+03	1.5065+03	1.4963+03
61	1.2662+03	1.2642+03	1.2621+03	1.5117+03	1.5114+03	1.5009+03
62	1.2654+03	1.2634+03	1.2613+03	1.5117+03	1.5114+03	1.5009+03
63	1.2670+03	1.2651+03	1.2631+03	1.5142+03	1.5135+03	1.5031+03
64	1.2683+03	1.2664+03	1.2643+03	1.5150+03	1.5143+03	1.5040+03
65	1.2641+03	1.2621+03	1.2600+03	1.5096+03	1.5087+03	1.4983+03
66	1.2604+03	1.2584+03	1.2563+03	1.5055+03	1.5047+03	1.4945+03
67	1.2538+03	1.2515+03	1.2496+03	1.5050+03	1.5047+03	1.4941+03
68	1.2508+03	1.2489+03	1.2469+03	1.5021+03	1.5014+03	1.4909+03
69	1.2525+03	1.2506+03	1.2484+03	1.5025+03	1.5022+03	1.4914+03
70	1.2587+03	1.2563+03	1.2543+03	1.5046+03	1.5039+03	1.4936+03
71	1.2657+03	1.2633+03	1.2616+03	1.5099+03	1.5096+03	1.4991+03
72	1.2676+03	1.2657+03	1.2636+03	1.5097+03	1.5094+03	1.4985+03
73	1.2695+03	1.2671+03	1.2653+03	1.5093+03	1.5089+03	1.4981+03
74	1.2697+03	1.2673+03	1.2655+03	1.5105+03	1.5101+03	1.4996+03
75	1.2724+03	1.2700+03	1.2682+03	1.5117+03	1.5114+03	1.5009+03
76	1.2711+03	1.2691+03	1.2670+03	1.5105+03	1.5101+03	1.4996+03
77	1.2688+03	1.2669+03	1.2649+03	1.5077+03	1.5069+03	1.4971+03
78	1.2699+03	1.2680+03	1.2658+03	1.5088+03	1.5085+03	1.4981+03
79	1.2702+03	1.2683+03	1.2663+03	1.5092+03	1.5088+03	1.4984+03
80	1.2704+03	1.2684+03	1.2665+03	1.5093+03	1.5089+03	1.4985+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
41	1.4431+03	1.4332+03	1.5038+03	1.3952+03	1.3913+03	1.3932+03
42	1.4434+03	1.4327+03	1.5043+03	1.3955+03	1.3924+03	1.3940+03
43	1.4432+03	1.4329+03	1.5033+03	1.3949+03	1.3918+03	1.3933+03
44	1.4436+03	1.4337+03	1.5053+03	1.3966+03	1.3930+03	1.3948+03
45	1.4459+03	1.4350+03	1.5061+03	1.3976+03	1.3940+03	1.3958+03
46	1.4452+03	1.4343+03	1.5060+03	1.3969+03	1.3932+03	1.3951+03
47	1.4449+03	1.4345+03	1.5058+03	1.3970+03	1.3934+03	1.3952+03
48	1.4454+03	1.4350+03	1.5066+03	1.3975+03	1.3939+03	1.3957+03
49	1.4444+03	1.4336+03	1.5052+03	1.3965+03	1.3934+03	1.3950+03
50	1.4465+03	1.4356+03	1.5073+03	1.3982+03	1.3951+03	1.3966+03
51	1.4489+03	1.4391+03	1.5107+03	1.4015+03	1.3982+03	1.3999+03
52	1.4481+03	1.4378+03	1.5090+03	1.4003+03	1.3969+03	1.3986+03
53	1.4424+03	1.4322+03	1.5030+03	1.3950+03	1.3911+03	1.3930+03
54	1.4421+03	1.4319+03	1.5032+03	1.3942+03	1.3912+03	1.3927+03
55	1.4445+03	1.4337+03	1.5049+03	1.3962+03	1.3926+03	1.3944+03
56	1.4442+03	1.4334+03	1.5047+03	1.3963+03	1.3927+03	1.3945+03
57	1.4454+03	1.4346+03	1.5061+03	1.3976+03	1.3940+03	1.3958+03
58	1.4439+03	1.4336+03	1.5051+03	1.3965+03	1.3929+03	1.3947+03
59	1.4441+03	1.4341+03	1.5053+03	1.3971+03	1.3935+03	1.3953+03
60	1.4425+03	1.4323+03	1.5033+03	1.3946+03	1.3916+03	1.3931+03
61	1.4473+03	1.4364+03	1.5080+03	1.3995+03	1.3960+03	1.3977+03
62	1.4473+03	1.4364+03	1.5080+03	1.3991+03	1.3955+03	1.3973+03
63	1.4489+03	1.4387+03	1.5103+03	1.4007+03	1.3973+03	1.3990+03
64	1.4502+03	1.4400+03	1.5111+03	1.4020+03	1.3991+03	1.4005+03
65	1.4452+03	1.4343+03	1.5055+03	1.3973+03	1.3937+03	1.3955+03
66	1.4407+03	1.4339+03	1.5016+03	1.3928+03	1.3928+03	1.3928+03
67	1.4403+03	1.4296+03	1.5013+03	1.3920+03	1.3887+03	1.3903+03
68	1.4374+03	1.4269+03	1.4981+03	1.3887+03	1.3858+03	1.3872+03
69	1.4378+03	1.4274+03	1.4987+03	1.3895+03	1.3866+03	1.3881+03
70	1.4394+03	1.4292+03	1.5007+03	1.3920+03	1.3887+03	1.3903+03
71	1.4451+03	1.4343+03	1.5062+03	1.3972+03	1.3936+03	1.3954+03
72	1.4454+03	1.4345+03	1.5059+03	1.3970+03	1.3939+03	1.3954+03
73	1.4449+03	1.4341+03	1.5055+03	1.3975+03	1.3939+03	1.3957+03
74	1.4461+03	1.4356+03	1.5067+03	1.3982+03	1.3951+03	1.3966+03
75	1.4473+03	1.4364+03	1.5080+03	1.3991+03	1.3960+03	1.3975+03
76	1.4465+03	1.4356+03	1.5067+03	1.3986+03	1.3951+03	1.3968+03
77	1.4438+03	1.4331+03	1.5039+03	1.3964+03	1.3928+03	1.3946+03
78	1.4449+03	1.4341+03	1.5051+03	1.3971+03	1.3934+03	1.3952+03
79	1.4453+03	1.4378+03	1.5055+03	1.3974+03	1.3938+03	1.3956+03
80	1.4454+03	1.4345+03	1.5056+03	1.3971+03	1.3934+03	1.3953+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TL1103	TCA122
41	1.5118+03	6.0358+01	1.8566+02	1.9929+02	1.3346+02	1.2974+03
42	1.5131+03	6.0700+01	1.8729+02	2.0211+02	1.3640+02	1.3025+03
43	1.5115+03	6.1362+01	1.8836+02	2.0149+02	1.3617+02	1.3007+03
44	1.5141+03	6.0838+01	1.9200+02	2.0183+02	1.3654+02	1.3010+03
45	1.5147+03	6.1841+01	1.9131+02	2.0277+02	1.3711+02	1.3049+03
46	1.5144+03	6.1104+01	1.9223+02	2.0083+02	1.3458+02	1.3033+03
47	1.5141+03	6.0810+01	1.9118+02	1.9972+02	1.3389+02	1.3031+03
48	1.5151+03	6.0439+01	1.9046+02	1.9937+02	1.3312+02	1.3035+03
49	1.5141+03	5.9905+01	1.8996+02	1.9928+02	1.3303+02	1.2997+03
50	1.5162+03	6.1996+01	1.9027+02	2.0042+02	1.3292+02	1.3025+03
51	1.5194+03	6.3327+01	1.9750+02	2.0167+02	1.3417+02	1.3067+03
52	1.5175+03	6.4657+01	1.9667+02	2.0333+02	1.3591+02	1.3058+03
53	1.5107+03	6.0148+01	1.9019+02	2.0035+02	1.3451+02	1.3012+03
54	1.5113+03	6.0732+01	1.9111+02	2.0173+02	1.3689+02	1.3017+03
55	1.5133+03	6.1350+01	1.9087+02	2.0231+02	1.3706+02	1.3023+03
56	1.5129+03	6.1883+01	1.9214+02	2.0364+02	1.3807+02	1.3036+03
57	1.5146+03	6.2246+01	1.9325+02	2.0273+02	1.3707+02	1.3036+03
58	1.5136+03	6.0777+01	1.9076+02	2.0010+02	1.3344+02	1.3047+03
59	1.5137+03	6.0885+01	1.9046+02	1.9979+02	1.3271+02	1.3060+03
60	1.5117+03	6.0669+01	1.9185+02	1.9917+02	1.3292+02	1.2986+03
61	1.5166+03	6.2883+01	1.9382+02	2.0042+02	1.3292+02	1.3046+03
62	1.5162+03	6.2883+01	1.9461+02	2.0083+02	1.3292+02	1.3042+03
63	1.5184+03	6.4657+01	1.9833+02	2.0250+02	1.3500+02	1.3062+03
64	1.5198+03	6.5544+01	1.9750+02	2.0417+02	1.3682+02	1.3071+03
65	1.5139+03	6.1996+01	1.9421+02	2.0167+02	1.3591+02	1.3021+03
66	1.5103+03	5.7562+01	1.8897+02	1.9750+02	1.3125+02	1.2982+03
67	1.5099+03	5.4015+01	1.8639+02	1.9542+02	1.3000+02	1.2933+03
68	1.5066+03	5.2242+01	1.8356+02	1.9364+02	1.2727+02	1.2908+03
69	1.5074+03	5.2685+01	1.8514+02	1.9273+02	1.2682+02	1.2925+03
70	1.5095+03	5.5345+01	1.8682+02	1.9455+02	1.2818+02	1.2968+03
71	1.5148+03	5.9705+01	1.8761+02	1.9826+02	1.3243+02	1.3037+03
72	1.5146+03	5.8611+01	1.8569+02	1.9765+02	1.3182+02	1.3039+03
73	1.5141+03	5.9983+01	1.8702+02	1.9894+02	1.3311+02	1.3048+03
74	1.5148+03	5.8893+01	1.9066+02	1.9833+02	1.3167+02	1.3062+03
75	1.5162+03	5.9779+01	1.9145+02	1.9875+02	1.3208+02	1.3083+03
76	1.5148+03	5.9779+01	1.9303+02	2.0000+02	1.3375+02	1.3067+03
77	1.5126+03	6.0643+01	1.9301+02	1.9956+02	1.3331+02	1.3041+03
78	1.5141+03	5.9965+01	1.9201+02	2.0017+02	1.3434+02	1.3048+03
79	1.5140+03	5.9846+01	1.9309+02	2.0048+02	1.3465+02	1.3059+03
80	1.5137+03	6.0418+01	1.9320+02	2.0143+02	1.3565+02	1.3052+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
41	2.0153+00	5.5990+03	2.2400+01	6.4614+00	5.2905+02	5.6177+02
42	2.0605+00	5.6000+03	2.4020+01	6.2554+00	5.1962+02	5.5182+02
43	2.0328+00	5.6010+03	2.2780+01	6.2020+00	5.1574+02	5.4772+02
44	1.9950+00	5.5980+03	2.1780+01	6.2478+00	5.3881+02	5.7208+02
45	2.0357+00	5.6040+03	2.1380+01	6.2172+00	5.2632+02	5.5890+02
46	2.0731+00	5.6010+03	2.1380+01	5.9345+00	5.1120+02	5.4294+02
47	2.0248+00	5.5960+03	2.3040+01	6.2554+00	5.3612+02	5.6924+02
48	2.0676+00	5.6010+03	2.2000+01	6.2707+00	5.3523+02	5.6830+02
49	2.0399+00	5.6000+03	2.1660+01	6.1943+00	5.2700+02	5.5961+02
50	2.0850+00	5.6010+03	2.1400+01	6.4461+00	5.4234+02	5.7581+02
51	2.0352+00	5.6010+03	2.2500+01	5.9345+00	5.2453+02	5.5700+02
52	2.0055+00	5.5970+03	2.1780+01	6.1256+00	5.3071+02	5.6353+02
53	2.0189+00	5.6000+03	1.8500+01	5.9498+00	5.0655+02	5.3802+02
54	1.9891+00	5.5970+03	1.8760+01	5.9422+00	5.0738+02	5.3890+02
55	2.0249+00	5.6000+03	1.9000+01	6.1714+00	5.2334+02	5.5574+02
56	2.0261+00	5.6050+03	1.9000+01	6.1180+00	5.2221+02	5.5456+02
57	2.0491+00	5.6030+03	1.8280+01	5.8657+00	5.0502+02	5.3642+02
58	1.9945+00	5.5960+03	1.7900+01	6.1332+00	5.2162+02	5.5393+02
59	2.0671+00	5.6030+03	1.7220+01	6.1791+00	5.2438+02	5.5684+02
60	2.0075+00	5.6030+03	1.7960+01	6.1791+00	5.2899+02	5.6171+02
61	2.0510+00	5.6010+03	1.7780+01	6.0263+00	5.1739+02	5.4947+02
62	2.0499+00	5.5990+03	1.7860+01	6.2630+00	5.3881+02	5.7207+02
63	2.0603+00	5.5980+03	1.9660+01	5.8580+00	5.1323+02	5.4508+02
64	2.0377+00	5.6100+02	1.8280+01	6.0721+00	5.2490+02	5.5739+02
65	2.0289+00	5.6000+02	1.8360+01	5.9651+00	5.2062+02	5.5288+02
66	2.0697+00	5.6000+02	1.8120+01	6.1638+00	5.3163+02	5.6450+02
67	2.0438+00	5.6000+02	1.8700+01	6.2707+00	5.4424+02	5.7781+02
68	2.0564+00	5.6000+02	1.8360+01	6.3775+00	5.4680+02	5.8051+02
69	2.0803+00	5.6000+02	1.8460+01	6.3088+00	5.4852+02	5.8233+02
70	2.0857+00	5.6000+02	1.8600+01	6.3165+00	5.4220+02	5.7565+02
71	2.0549+00	5.5980+03	1.9920+01	6.2020+00	5.1909+02	5.5126+02
72	2.0304+00	5.5960+03	1.7200+01	6.3317+00	5.2771+02	5.6036+02
73	2.0475+00	5.6010+03	1.8640+01	6.3470+00	5.2863+02	5.6133+02
74	2.0418+00	5.6000+03	1.9260+01	6.0186+00	5.2116+02	5.5345+02
75	2.0441+00	5.5980+03	1.8580+01	6.0568+00	5.2304+02	5.5544+02
76	2.0244+00	5.5990+03	1.8180+01	5.9651+00	5.1957+02	5.5177+02
77	2.0301+00	5.6040+03	1.8780+01	5.8198+00	5.0460+02	5.3596+02
78	1.9937+00	5.5980+03	1.7100+01	5.9651+00	5.1582+02	5.4781+02
79	2.0209+00	5.6000+03	1.8820+01	5.8733+00	5.1240+02	5.4421+02
80	2.0664+00	5.6010+03	1.9180+01	6.0110+00	5.2180+02	5.5412+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
41	5.5518+00	6.1532+00	7.0671+00	2.5107+01	9.9426-01	6.5402+02
42	5.6805+00	6.2439+00	7.1135+00	2.5050+01	9.9542-01	6.4210+02
43	5.7695+00	6.2200+00	6.9417+00	2.4848+01	9.9573-01	6.4035+02
44	5.9180+00	6.2725+00	6.9092+00	2.5205+01	9.9578-01	6.6592+02
45	6.0169+00	6.3536+00	6.9835+00	2.5111+01	9.9652-01	6.5386+02
46	5.9576+00	6.3202+00	7.0067+00	2.5215+01	9.9598-01	6.3754+02
47	5.8289+00	6.2916+00	7.1274+00	2.5172+01	9.9544-01	6.6130+02
48	5.8685+00	6.3870+00	7.2017+00	2.5262+01	9.9523-01	6.6249+02
49	5.7398+00	6.2296+00	7.1553+00	2.5248+01	9.9441-01	6.5423+02
50	5.7398+00	6.2391+00	7.1645+00	2.5309+01	9.9508-01	6.7063+02
51	5.8487+00	6.2964+00	7.2574+00	2.5384+01	9.9576-01	6.5015+02
52	5.7102+00	6.1675+00	7.1460+00	2.5064+01	9.9614-01	6.5788+02
53	5.6805+00	6.1819+00	7.0624+00	2.4956+01	9.9532-01	6.3790+02
54	5.6112+00	6.1485+00	7.0253+00	2.4947+01	9.9562-01	6.3925+02
55	5.7201+00	6.2916+00	7.0996+00	2.5210+01	9.9534-01	6.5491+02
56	5.9972+00	6.3632+00	6.9696+00	2.5172+01	9.9624-01	6.5377+02
57	5.8685+00	6.2773+00	6.9371+00	2.5205+01	9.9633-01	6.3572+02
58	5.8190+00	6.3679+00	7.3131+00	2.5229+01	9.9509-01	6.5526+02
59	6.0367+00	6.4300+00	7.1924+00	2.5318+01	9.9589-01	6.5856+02
60	5.8289+00	6.1341+00	6.9000+00	2.5097+01	9.9527-01	6.6308+02
61	5.7893+00	6.2009+00	7.0810+00	2.5290+01	9.9597-01	6.5050+02
62	5.7695+00	6.1866+00	7.0717+00	2.5299+01	9.9590-01	6.7337+02
63	5.7794+00	6.1628+00	7.0485+00	2.5337+01	9.9651-01	6.4357+02
64	5.5518+00	6.1580+00	7.1506+00	2.5196+01	9.9639-01	6.5766+02
65	5.5023+00	6.0769+00	7.0392+00	2.4932+01	9.9566-01	6.5279+02
66	5.6409+00	6.1341+00	6.9789+00	2.5045+01	9.9485-01	6.6521+02
67	5.5221+00	6.0149+00	6.8628+00	2.5469+01	9.9389-01	6.7863+02
68	5.5617+00	5.9767+00	6.7653+00	2.5304+01	9.9375-01	6.8293+02
69	5.5320+00	5.9767+00	6.7560+00	2.5229+01	9.9424-01	6.8286+02
70	5.6409+00	6.0864+00	6.8582+00	2.5248+01	9.9491-01	6.7706+02
71	5.8190+00	6.1914+00	6.9696+00	2.5168+01	9.9625-01	6.5325+02
72	5.8388+00	6.2439+00	7.0346+00	2.5243+01	9.9601-01	6.6302+02
73	5.8883+00	6.2677+00	7.0299+00	2.5168+01	9.9629-01	6.6257+02
74	5.7695+00	6.2725+00	7.1413+00	2.5234+01	9.9619-01	6.5346+02
75	5.8388+00	6.3298+00	7.2202+00	2.5234+01	9.9642-01	6.5648+02
76	5.7201+00	6.2391+00	7.1181+00	2.5003+01	9.9650-01	6.5298+02
77	5.6112+00	6.1866+00	7.1135+00	2.4772+01	9.9597-01	6.3484+02
78	5.6211+00	6.2630+00	7.2110+00	2.4970+01	9.9565-01	6.4836+02
79	5.6310+00	6.2868+00	7.2295+00	2.4970+01	9.9587-01	6.4220+02
80	5.6508+00	6.3059+00	7.2202+00	2.4994+01	9.9571-01	6.5146+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
41	6.4385+02	1.0000+00	2.1400+02	1.0266+05	1.0300+03	6.8000+02
42	6.4230+02	1.0000+00	2.1500+02	1.0266+05	1.2300+03	6.8200+02
43	6.4783+02	1.0000+00	2.1600+02	1.0266+05	1.4300+03	6.8400+02
44	6.4500+02	1.0000+00	2.1700+02	1.0266+05	1.6300+03	6.8600+02
45	6.4288+02	1.0000+00	2.1800+02	1.0266+05	1.8300+03	6.8800+02
46	6.4338+02	2.0000+00	2.1900+02	1.0266+05	2.0300+03	6.9000+02
47	6.4227+02	1.0000+00	2.2000+02	1.0266+05	2.2300+03	6.9200+02
48	6.3967+02	1.0000+00	2.2100+02	1.0276+05	3.0000+01	6.9400+02
49	6.4012+02	1.0000+00	2.2200+02	1.0276+05	2.3000+02	6.9600+02
50	6.4012+02	1.0000+00	2.2300+02	1.0276+05	4.3000+02	6.9800+02
51	6.4236+02	1.0000+00	2.2400+02	1.0276+05	6.3000+02	7.0000+02
52	6.4477+02	1.0000+00	2.2500+02	1.0276+05	8.3000+02	7.0200+02
53	6.4379+02	1.0000+00	2.2600+02	1.0276+05	1.0300+03	7.0400+02
54	6.4526+02	1.0000+00	2.2700+02	1.0276+05	1.2300+03	7.0600+02
55	6.4149+02	1.0000+00	2.2800+02	1.0276+05	1.4300+03	7.0800+02
56	6.4469+02	1.0000+00	2.2900+02	1.0276+05	1.6300+03	7.1000+02
57	6.4792+02	1.0000+00	2.3000+02	1.0276+05	1.8300+03	7.1200+02
58	6.4149+02	1.0000+00	2.3200+02	1.0276+05	2.2300+03	7.1600+02
59	6.3930+02	1.0000+00	2.3300+02	1.0286+05	3.0000+01	7.1800+02
60	6.3946+02	1.0000+00	2.3400+02	1.0286+05	2.3000+02	7.2000+02
61	6.4307+02	1.0000+00	2.3500+02	1.0286+05	4.3000+02	7.2200+02
62	6.3934+02	2.0000+00	2.3500+02	1.0286+05	4.3500+02	7.2208+02
63	6.4492+02	1.0000+00	2.3600+02	1.0286+05	6.3000+02	7.2400+02
64	6.3898+02	1.0000+00	2.3700+02	1.0286+05	8.3000+02	7.2600+02
65	6.4319+02	1.0000+00	2.3800+02	1.0286+05	1.0300+03	7.2800+02
66	6.4918+02	1.0000+00	2.3900+02	1.0286+05	1.2300+03	7.3000+02
67	6.4548+02	2.0000+00	2.4000+02	1.0286+05	1.4300+03	7.3200+02
68	6.5221+02	1.0000+00	2.4100+02	1.0286+05	1.6300+03	7.3400+02
69	6.5244+02	2.0000+00	2.4200+02	1.0286+05	1.8300+03	7.3600+02
70	6.5249+02	1.0000+00	2.4300+02	1.0286+05	2.0300+03	7.3800+02
71	6.4947+02	1.0000+00	2.4400+02	1.0286+05	2.2300+03	7.4000+02
72	6.4796+02	1.0000+00	2.4500+02	1.0296+05	3.0000+01	7.4200+02
73	6.4195+02	1.0000+00	2.4600+02	1.0296+05	2.3000+02	7.4400+02
74	6.4346+02	1.0000+00	2.4700+02	1.0296+05	4.3000+02	7.4600+02
75	6.4227+02	1.0000+00	2.4800+02	1.0296+05	6.3000+02	7.4800+02
76	6.4431+02	1.0000+00	2.4900+02	1.0296+05	8.3000+02	7.5000+02
77	6.4505+02	1.0000+00	2.5000+02	1.0296+05	1.0300+03	7.5200+02
78	6.4056+02	1.0000+00	2.5100+02	1.0296+05	1.2300+03	7.5400+02
79	6.4515+02	2.0000+00	2.5100+02	1.0296+05	1.2300+03	7.5400+02
80	6.3902+02	1.0000+00	2.5200+02	1.0296+05	1.4300+03	7.5600+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 29 to October 31

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
81	2.5300+02	1.0296+05	1.6300+03	1.8261+04	5.5074+02	2.5113+00
82	2.5400+02	1.0296+05	1.8300+03	1.8260+04	5.5541+02	1.1579+00
83	2.5500+02	1.0296+05	2.0300+03	1.8232+04	5.5824+02	2.1654+00
84	2.5600+02	1.0296+05	2.2300+03	1.8090+04	5.5569+02	2.2105+00
85	2.5700+02	1.0306+05	3.0000+01	1.8225+04	5.5265+02	3.1729+00
86	2.5800+02	1.0306+05	2.3000+02	1.8285+04	5.4148+02	4.4361+00
87	2.5900+02	1.0306+05	4.3000+02	1.8211+04	5.5074+02	7.6341+00
88	2.6000+02	1.0306+05	6.3000+02	1.8233+04	5.4683+02	5.2180+00
89	2.6100+02	1.0306+05	8.3000+02	1.8260+04	5.5465+02	7.6391+00
90	2.6200+02	1.0306+05	1.0300+03	1.8220+04	5.4735+02	9.1078+00
91	2.6300+02	1.0306+05	1.2300+03	1.8183+04	5.6072+02	9.0627+00
92	2.6400+02	1.0306+05	1.4300+03	1.8301+04	5.4786+02	8.3860+00
93	2.6500+02	1.0306+05	1.6300+03	1.8307+04	5.5337+02	9.8296+00
94	2.6600+02	1.0306+05	1.8300+03	1.8280+04	5.5776+02	8.5163+00
95	2.6700+02	1.0306+05	2.0300+03	1.8296+04	5.5705+02	8.0902+00
96	2.6800+02	1.0306+05	2.2300+03	1.8230+04	5.5321+02	7.9248+00
97	2.6900+02	1.0316+05	3.0000+01	1.8224+04	5.5114+02	8.5564+00
98	2.7000+02	1.0316+05	2.3000+02	1.8215+04	5.4619+02	7.7093+00
99	2.7100+02	1.0316+05	4.3000+02	1.8290+04	5.4220+02	6.8421+00
100	2.7200+02	1.0316+05	6.3000+02	1.8155+04	5.5553+02	9.3534+00
101	2.7200+02	1.0316+05	6.3500+02	1.8152+04	5.5250+02	8.3659+00
102	2.7300+02	1.0316+05	8.3000+02	1.8233+04	5.6080+02	8.1905+00
103	2.7400+02	1.0316+05	1.0300+03	1.8257+04	5.5014+02	8.9474+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
81	9.6783+01	6.4501+02	1.5071+03	1.5051+03	1.5240+03	1.5061+03
82	9.6778+01	6.5103+02	1.5087+03	1.5063+03	1.5256+03	1.5075+03
83	9.6632+01	6.5271+02	1.5082+03	1.5053+03	1.5247+03	1.5067+03
84	9.5880+01	6.4936+02	1.5062+03	1.5037+03	1.5235+03	1.5050+03
85	9.6592+01	6.4607+02	1.5081+03	1.5061+03	1.5254+03	1.5071+03
86	9.6910+01	6.3395+02	1.5070+03	1.5046+03	1.5239+03	1.5058+03
87	9.6521+01	6.3963+02	1.5084+03	1.5059+03	1.5253+03	1.5072+03
88	9.6638+01	6.3825+02	1.5066+03	1.5046+03	1.5239+03	1.5056+03
89	9.6778+01	6.4379+02	1.5054+03	1.5034+03	1.5227+03	1.5044+03
90	9.6566+01	6.3480+02	1.5036+03	1.5011+03	1.5203+03	1.5024+03
91	9.6370+01	6.4803+02	1.5063+03	1.5039+03	1.5232+03	1.5051+03
92	9.6995+01	6.3647+02	1.5057+03	1.5033+03	1.5225+03	1.5045+03
93	9.7027+01	6.4057+02	1.5063+03	1.5039+03	1.5232+03	1.5051+03
94	9.6887+01	6.4613+02	1.5077+03	1.5053+03	1.5242+03	1.5065+03
95	9.6969+01	6.4592+02	1.5082+03	1.5057+03	1.5251+03	1.5070+03
96	9.6622+01	6.4191+02	1.5079+03	1.5054+03	1.5248+03	1.5067+03
97	9.6587+01	6.3917+02	1.5071+03	1.5051+03	1.5245+03	1.5061+03
98	9.6542+01	6.3502+02	1.5070+03	1.5049+03	1.5238+03	1.5059+03
99	9.6937+01	6.3229+02	1.5072+03	1.5048+03	1.5237+03	1.5060+03
100	9.6224+01	6.4240+02	1.5057+03	1.5033+03	1.5225+03	1.5045+03
101	9.6206+01	6.4033+02	1.5055+03	1.5030+03	1.5218+03	1.5043+03
102	9.6638+01	6.4925+02	1.5050+03	1.5026+03	1.5218+03	1.5038+03
103	9.6762+01	6.3795+02	1.5046+03	1.5017+03	1.5208+03	1.5031+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
81	1.2327+03	1.2527+03	1.2739+03	1.2514+03	1.2520+03	1.2613+03
82	1.2334+03	1.2534+03	1.2745+03	1.2516+03	1.2525+03	1.2616+03
83	1.2297+03	1.2499+03	1.2715+03	1.2482+03	1.2491+03	1.2579+03
84	1.2285+03	1.2492+03	1.2704+03	1.2476+03	1.2484+03	1.2576+03
85	1.2323+03	1.2524+03	1.2735+03	1.2510+03	1.2517+03	1.2605+03
86	1.2317+03	1.2522+03	1.2729+03	1.2504+03	1.2513+03	1.2603+03
87	1.2326+03	1.2531+03	1.2742+03	1.2517+03	1.2524+03	1.2617+03
88	1.2313+03	1.2518+03	1.2729+03	1.2505+03	1.2511+03	1.2599+03
89	1.2245+03	1.2453+03	1.2671+03	1.2437+03	1.2445+03	1.2530+03
90	1.2243+03	1.2442+03	1.2660+03	1.2430+03	1.2436+03	1.2528+03
91	1.2270+03	1.2476+03	1.2694+03	1.2464+03	1.2470+03	1.2560+03
92	1.2277+03	1.2483+03	1.2700+03	1.2471+03	1.2477+03	1.2563+03
93	1.2250+03	1.2457+03	1.2676+03	1.2442+03	1.2450+03	1.2543+03
94	1.2280+03	1.2485+03	1.2703+03	1.2474+03	1.2480+03	1.2570+03
95	1.2284+03	1.2495+03	1.2707+03	1.2482+03	1.2488+03	1.2575+03
96	1.2308+03	1.2513+03	1.2725+03	1.2500+03	1.2507+03	1.2590+03
97	1.2318+03	1.2523+03	1.2734+03	1.2514+03	1.2518+03	1.2605+03
98	1.2294+03	1.2500+03	1.2716+03	1.2492+03	1.2496+03	1.2585+03
99	1.2310+03	1.2520+03	1.2731+03	1.2506+03	1.2513+03	1.2601+03
100	1.2256+03	1.2469+03	1.2683+03	1.2449+03	1.2459+03	1.2545+03
101	1.2250+03	1.2462+03	1.2676+03	1.2446+03	1.2454+03	1.2543+03
102	1.2191+03	1.2403+03	1.2623+03	1.2382+03	1.2392+03	1.2485+03
103	1.2219+03	1.2431+03	1.2643+03	1.2414+03	1.2423+03	1.2509+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
81	1.2707+03	1.2692+03	1.2671+03	1.5101+03	1.5097+03	1.4992+03
82	1.2714+03	1.2695+03	1.2675+03	1.5116+03	1.5109+03	1.5003+03
83	1.2682+03	1.2658+03	1.2640+03	1.5107+03	1.5104+03	1.4998+03
84	1.2674+03	1.2655+03	1.2635+03	1.5095+03	1.5087+03	1.4983+03
85	1.2708+03	1.2689+03	1.2667+03	1.5110+03	1.5107+03	1.5001+03
86	1.2701+03	1.2682+03	1.2662+03	1.5104+03	1.5101+03	1.4991+03
87	1.2720+03	1.2696+03	1.2677+03	1.5113+03	1.5110+03	1.5004+03
88	1.2702+03	1.2682+03	1.2661+03	1.5096+03	1.5092+03	1.4987+03
89	1.2633+03	1.2614+03	1.2593+03	1.5083+03	1.5079+03	1.4976+03
90	1.2628+03	1.2608+03	1.2588+03	1.5063+03	1.5059+03	1.4957+03
91	1.2659+03	1.2635+03	1.2618+03	1.5097+03	1.5089+03	1.4985+03
92	1.2661+03	1.2642+03	1.2622+03	1.5086+03	1.5082+03	1.4979+03
93	1.2638+03	1.2614+03	1.2599+03	1.5102+03	1.5098+03	1.4989+03
94	1.2668+03	1.2644+03	1.2628+03	1.5103+03	1.5099+03	1.4994+03
95	1.2673+03	1.2653+03	1.2634+03	1.5111+03	1.5108+03	1.5002+03
96	1.2692+03	1.2668+03	1.2650+03	1.5112+03	1.5105+03	1.4999+03
97	1.2707+03	1.2683+03	1.2665+03	1.5096+03	1.5093+03	1.4988+03
98	1.2682+03	1.2659+03	1.2642+03	1.5104+03	1.5096+03	1.4991+03
99	1.2699+03	1.2680+03	1.2660+03	1.5102+03	1.5098+03	1.4993+03
100	1.2645+03	1.2621+03	1.2604+03	1.5086+03	1.5082+03	1.4979+03
101	1.2642+03	1.2618+03	1.2601+03	1.5083+03	1.5075+03	1.4972+03
102	1.2584+03	1.2560+03	1.2543+03	1.5078+03	1.5075+03	1.4972+03
103	1.2608+03	1.2593+03	1.2570+03	1.5069+03	1.5065+03	1.4967+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
81	1.4457+03	1.4348+03	1.5063+03	1.3979+03	1.3947+03	1.3963+03
82	1.4468+03	1.4359+03	1.5076+03	1.3989+03	1.3958+03	1.3974+03
83	1.4467+03	1.4358+03	1.5070+03	1.3985+03	1.3953+03	1.3969+03
84	1.4452+03	1.4343+03	1.5055+03	1.3973+03	1.3937+03	1.3955+03
85	1.4466+03	1.4357+03	1.5073+03	1.3988+03	1.3957+03	1.3972+03
86	1.4460+03	1.4356+03	1.5065+03	1.3977+03	1.3946+03	1.3961+03
87	1.4473+03	1.4364+03	1.5076+03	1.3991+03	1.3960+03	1.3975+03
88	1.4456+03	1.4348+03	1.5058+03	1.3978+03	1.3942+03	1.3960+03
89	1.4444+03	1.4332+03	1.5046+03	1.3960+03	1.3942+03	1.3951+03
90	1.4419+03	1.4318+03	1.5026+03	1.3936+03	1.3907+03	1.3921+03
91	1.4444+03	1.4341+03	1.5057+03	1.3966+03	1.3934+03	1.3950+03
92	1.4447+03	1.4343+03	1.5049+03	1.3964+03	1.3928+03	1.3946+03
93	1.4458+03	1.4349+03	1.5063+03	1.3966+03	1.3934+03	1.3950+03
94	1.4463+03	1.4354+03	1.5065+03	1.3980+03	1.3944+03	1.3962+03
95	1.4471+03	1.4354+03	1.5074+03	1.3985+03	1.3953+03	1.3969+03
96	1.4468+03	1.4360+03	1.5072+03	1.3986+03	1.3950+03	1.3968+03
97	1.4457+03	1.4344+03	1.5059+03	1.3974+03	1.3942+03	1.3958+03
98	1.4460+03	1.4351+03	1.5063+03	1.3972+03	1.3941+03	1.3956+03
99	1.4458+03	1.4354+03	1.5065+03	1.3980+03	1.3943+03	1.3962+03
100	1.4447+03	1.4339+03	1.5049+03	1.3963+03	1.3928+03	1.3946+03
101	1.4440+03	1.4332+03	1.5044+03	1.3952+03	1.3921+03	1.3937+03
102	1.4435+03	1.4328+03	1.5042+03	1.3947+03	1.3917+03	1.3932+03
103	1.4430+03	1.4319+03	1.5033+03	1.3946+03	1.3912+03	1.3929+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TLO102	TLI103	TCA122
81	1.5154+03	6.0745+01	1.9349+02	2.0091+02	1.3599+02	1.3063+03
82	1.5161+03	6.0110+01	1.9135+02	2.0114+02	1.3579+02	1.3078+03
83	1.5156+03	6.0043+01	1.9208+02	1.9983+02	1.3441+02	1.3057+03
84	1.5139+03	5.9756+01	1.8938+02	1.9914+02	1.3331+02	1.3037+03
85	1.5159+03	5.9944+01	1.8957+02	1.9890+02	1.3265+02	1.3056+03
86	1.5148+03	6.0627+01	1.8851+02	1.9955+02	1.3371+02	1.3045+03
87	1.5162+03	6.1553+01	1.9027+02	1.9958+02	1.3417+02	1.3058+03
88	1.5139+03	6.0666+01	1.8811+02	1.9875+02	1.3333+02	1.3050+03
89	1.5127+03	5.8530+01	1.8948+02	1.9841+02	1.3299+02	1.3005+03
90	1.5107+03	5.8779+01	1.9095+02	1.9823+02	1.3281+02	1.2985+03
91	1.5141+03	5.9486+01	1.9158+02	2.0097+02	1.3652+02	1.3031+03
92	1.5130+03	6.0625+01	1.9141+02	2.0079+02	1.3541+02	1.3020+03
93	1.5141+03	6.1696+01	1.9039+02	2.0180+02	1.3742+02	1.3018+03
94	1.5151+03	6.1793+01	1.9166+02	2.0314+02	1.3888+02	1.3040+03
95	1.5155+03	6.1360+01	1.9167+02	2.0274+02	1.3798+02	1.3048+03
96	1.5157+03	6.1499+01	1.8935+02	2.0120+02	1.3676+02	1.3049+03
97	1.5145+03	6.0292+01	1.8732+02	2.0048+02	1.3598+02	1.3063+03
98	1.5147+03	6.1020+01	1.8846+02	2.0117+02	1.3673+02	1.3041+03
99	1.5150+03	6.1300+01	1.8787+02	2.0185+02	1.3747+02	1.3052+03
100	1.5130+03	6.0157+01	1.9060+02	2.0077+02	1.3584+02	1.3029+03
101	1.5123+03	5.9914+01	1.9039+02	2.0054+02	1.3559+02	1.3026+03
102	1.5122+03	6.0762+01	1.9272+02	2.0134+02	1.3601+02	1.2978+03
103	1.5113+03	6.0694+01	1.8900+02	2.0169+02	1.3639+02	1.3000+03

ENDURANCE TEST PERFORMANCE II

	328	329	330	335	390	340
	FLOW	RTDNET	PST185	W FLOW	QHB	QWBCAL
81	2.0713+00	5.5970+03	2.0420+01	6.0568+00	5.2667+02	5.5927+02
82	2.0995+00	5.6020+03	1.8800+01	6.0798+00	5.2269+02	5.5506+02
83	2.1061+00	5.5990+03	1.8560+01	5.8351+00	5.0546+02	5.3687+02
84	2.0406+00	5.5960+03	1.7620+01	6.0721+00	5.2045+02	5.5270+02
85	2.0371+00	5.5990+03	1.7680+01	6.2020+00	5.2763+02	5.6028+02
86	2.0387+00	5.6050+03	1.8000+01	6.1562+00	5.1500+02	5.4695+02
87	2.0300+00	5.6000+03	1.9560+01	6.2020+00	5.2432+02	5.5679+02
88	2.0136+00	5.5960+03	1.7560+01	6.0645+00	5.0705+02	5.3855+02
89	2.0489+00	5.6000+03	1.9380+01	6.0645+00	5.2024+02	5.5248+02
90	2.0322+00	5.5970+03	1.9220+01	6.0339+00	5.2359+02	5.5601+02
91	2.0664+00	5.5970+03	1.8780+01	6.1867+00	5.3763+02	5.7083+02
92	2.0212+00	5.5980+03	1.8120+01	6.1867+00	5.2887+02	5.6158+02
93	2.0069+00	5.5990+03	1.9060+01	6.3088+00	5.3051+02	5.6332+02
94	2.0569+00	5.6040+03	1.8600+01	6.1638+00	5.2380+02	5.5623+02
95	2.0574+00	5.6020+03	1.7980+01	6.2478+00	5.3229+02	5.6520+02
96	2.0413+00	5.6020+03	1.7220+01	6.1409+00	5.1516+02	5.4711+02
97	2.0632+00	5.5950+03	1.7880+01	6.1409+00	5.1201+02	5.4379+02
98	2.0345+00	5.6030+03	1.6780+01	6.3088+00	5.2796+02	5.6062+02
99	2.0787+00	5.6060+03	1.6880+01	6.0951+00	5.0453+02	5.3589+02
100	2.0403+00	5.6020+03	1.7920+01	6.1332+00	5.2711+02	5.5973+02
101	2.0362+00	5.5960+03	1.7980+01	6.0416+00	5.1944+02	5.5163+02
102	2.0291+00	5.5970+03	1.7820+01	6.1791+00	5.3490+02	5.6796+02
103	2.0446+00	5.6010+03	1.7640+01	6.3851+00	5.3677+02	5.6992+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
81	5.7398+00	6.3536+00	7.2527+00	2.5163+01	9.9580-01	6.5354+02
82	5.8586+00	6.3775+00	7.1413+00	2.5262+01	9.9658-01	6.5068+02
83	5.7893+00	6.2534+00	7.0810+00	2.5177+01	9.9631-01	6.3134+02
84	5.7992+00	6.2916+00	7.0392+00	2.5102+01	9.9601-01	6.4637+02
85	5.8784+00	6.3870+00	7.3084+00	2.5408+01	9.9526-01	6.5370+02
86	5.9774+00	6.3584+00	7.1181+00	2.5229+01	9.9584-01	6.3942+02
87	5.9477+00	6.3870+00	7.1924+00	2.5252+01	9.9587-01	6.4567+02
88	5.8685+00	6.3202+00	7.1553+00	2.5125+01	9.9586-01	6.2997+02
89	5.4825+00	6.0960+00	7.0717+00	2.5050+01	9.9506-01	6.4162+02
90	5.4331+00	6.1007+00	7.1088+00	2.4848+01	9.9450-01	6.4347+02
91	5.6013+00	6.2391+00	7.1460+00	2.5215+01	9.9535-01	6.5813+02
92	5.6211+00	6.2773+00	7.1320+00	2.5017+01	9.9524-01	6.5019+02
93	5.6409+00	6.1723+00	6.9557+00	2.5135+01	9.9584-01	6.5051+02
94	5.7299+00	6.2582+00	6.9881+00	2.5144+01	9.9626-01	6.4460+02
95	5.7794+00	6.3107+00	7.0114+00	2.5309+01	9.9631-01	6.5407+02
96	5.7201+00	6.3250+00	7.2388+00	2.5257+01	9.9545-01	6.3581+02
97	5.9081+00	6.4300+00	7.2527+00	2.5285+01	9.9574-01	6.3182+02
98	5.9180+00	6.3393+00	7.1367+00	2.5224+01	9.9565-01	6.4945+02
99	5.9081+00	6.4252+00	7.2574+00	2.5238+01	9.9544-01	6.2598+02
100	5.7398+00	6.2677+00	7.1274+00	2.5144+01	9.9540-01	6.4660+02
101	5.7497+00	6.2725+00	7.1228+00	2.5154+01	9.9536-01	6.3947+02
102	5.5221+00	6.0483+00	6.8814+00	2.5111+01	9.9513-01	6.5640+02
103	5.5419+00	6.1246+00	7.0392+00	2.4961+01	9.9512-01	6.5774+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
81	6.3913+02	1.0000+00	2.5300+02	1.0296+05	1.6300+03	7.5800+02
82	6.4165+02	1.0000+00	2.5400+02	1.0296+05	1.8300+03	7.6000+02
83	6.4164+02	1.0000+00	2.5500+02	1.0296+05	2.0300+03	7.6200+02
84	6.3734+02	1.0000+00	2.5600+02	1.0296+05	2.2300+03	7.6400+02
85	6.3176+02	1.0000+00	2.5700+02	1.0306+05	3.0000+01	7.6600+02
86	6.2683+02	1.0000+00	2.5800+02	1.0306+05	2.3000+02	7.6800+02
87	6.2964+02	1.0000+00	2.5900+02	1.0306+05	4.3000+02	7.7000+02
88	6.3217+02	1.0000+00	2.6000+02	1.0306+05	6.3000+02	7.7200+02
89	6.3392+02	1.0000+00	2.6100+02	1.0306+05	8.3000+02	7.7400+02
90	6.3016+02	1.0000+00	2.6200+02	1.0306+05	1.0300+03	7.7600+02
91	6.3400+02	1.0000+00	2.6300+02	1.0306+05	1.2300+03	7.7800+02
92	6.3219+02	1.0000+00	2.6400+02	1.0306+05	1.4300+03	7.8000+02
93	6.2980+02	1.0000+00	2.6500+02	1.0306+05	1.6300+03	7.8200+02
94	6.3633+02	1.0000+00	2.6600+02	1.0306+05	1.8300+03	7.8400+02
95	6.3295+02	1.0000+00	2.6700+02	1.0306+05	2.0300+03	7.8600+02
96	6.3087+02	1.0000+00	2.6800+02	1.0306+05	2.2300+03	7.8800+02
97	6.2914+02	1.0000+00	2.6900+02	1.0316+05	3.0000+01	7.9000+02
98	6.2402+02	1.0000+00	2.7000+02	1.0316+05	2.3000+02	7.9200+02
99	6.2490+02	1.0000+00	2.7100+02	1.0316+05	4.3000+02	7.9400+02
100	6.2886+02	1.0000+00	2.7200+02	1.0316+05	6.3000+02	7.9600+02
101	6.2619+02	2.0000+00	2.7200+02	1.0316+05	6.3500+02	7.9608+02
102	6.3177+02	1.0000+00	2.7300+02	1.0316+05	8.3000+02	7.9800+02
103	6.2918+02	1.0000+00	2.7400+02	1.0316+05	1.0300+03	8.0000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

October 31 to November 3

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
1	2.7500+02	1.0316+05	1.2300+03	1.8233+04	5.5198+02	9.5489+00
2	2.7600+02	1.0316+05	1.4300+03	1.8199+04	5.6052+02	1.1053+01
3	2.7700+02	1.0316+05	1.6300+03	1.8195+04	5.6624+02	8.4612+00
4	2.7800+02	1.0316+05	1.8300+03	1.8240+04	5.6463+02	1.0241+01
5	2.7900+02	1.0316+05	2.0300+03	1.8197+04	5.5533+02	8.0150+00
6	2.8000+02	1.0316+05	2.2300+03	1.8244+04	5.5421+02	7.8546+00
7	2.8100+02	1.1016+05	3.0000+01	1.8289+04	5.4930+02	6.5965+00
8	2.8200+02	1.1016+05	2.3000+02	1.8300+04	5.4407+02	8.8872+00
9	2.8300+02	1.1016+05	4.3000+02	1.8255+04	5.5681+02	9.0226+00
10	2.8400+02	1.1016+05	6.3000+02	1.8278+04	5.4834+02	7.3584+00
11	2.8500+02	1.1016+05	8.3000+02	1.8283+04	5.5070+02	8.4160+00
12	2.8600+02	1.1016+05	1.0300+03	1.8260+04	5.5956+02	8.4962+00
13	2.8700+02	1.1016+05	1.2300+03	1.8305+04	5.5441+02	1.0020+01
14	2.8800+02	1.1016+05	1.4300+03	1.8259+04	5.7392+02	9.7794+00
15	2.8900+02	1.1016+05	1.6300+03	1.8343+04	5.6028+02	8.9975+00
16	2.9000+02	1.1016+05	1.8300+03	1.8259+04	5.6406+02	8.7719+00
17	2.9100+02	1.1016+05	2.0300+03	1.8293+04	5.5301+02	8.2306+00
18	2.9200+02	1.1016+05	2.2300+03	1.8207+04	5.6060+02	9.0175+00
19	2.9300+02	1.1026+05	3.0000+01	1.8222+04	5.5593+02	8.0201+00
20	2.9400+02	1.1026+05	2.3000+02	1.8280+04	5.5142+02	8.7068+00
21	2.9500+02	1.1026+05	4.3000+02	1.8285+04	5.4184+02	8.2256+00
22	2.9600+02	1.1026+05	6.3000+02	1.8288+04	5.5413+02	9.6842+00
23	2.9700+02	1.1026+05	8.3000+02	1.8202+04	5.5345+02	8.0201+00
24	2.9800+02	1.1026+05	1.0300+03	1.8252+04	5.3996+02	7.7995+00
25	2.9900+02	1.1026+05	1.2300+03	1.8248+04	5.4910+02	5.3985+00
26	3.0000+02	1.1026+05	1.4300+03	1.8225+04	5.4766+02	8.6115+00
27	3.0100+02	1.1026+05	1.6300+03	1.8354+04	5.4287+02	1.0095+01
28	3.0200+02	1.1026+05	1.9150+03	1.8239+04	5.5389+02	1.0566+01
29	3.0300+02	1.1026+05	2.0300+03	1.8229+04	5.6048+02	7.1028+00
30	3.0400+02	1.1026+05	2.2300+03	1.8229+04	5.5764+02	8.5363+00
31	3.0500+02	1.1036+05	3.0000+01	1.8233+04	5.4906+02	9.9248+00
32	3.0600+02	1.1036+05	2.3000+02	1.8231+04	5.5253+02	9.3133+00
33	3.0700+02	1.1036+05	4.3000+02	1.8309+04	5.5297+02	7.3634+00
34	3.0800+02	1.1036+05	6.3000+02	1.8305+04	5.6475+02	7.8747+00
35	3.0900+02	1.1036+05	8.3000+02	1.8206+04	5.6406+02	8.8221+00
36	3.1000+02	1.1036+05	1.0300+03	1.8221+04	5.4962+02	1.0912+01
37	3.1100+02	1.1036+05	1.2300+03	1.8197+04	5.5014+02	7.6441+00
38	3.1200+02	1.1036+05	1.4300+03	1.8223+04	5.5170+02	9.2080+00
39	3.1300+02	1.1036+05	1.6300+03	1.8262+04	5.5685+02	8.7920+00
40	3.1400+02	1.1036+05	1.8300+03	1.8168+04	5.4663+02	9.5840+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
1	9.6635+01	6.3906+02	1.5045+03	1.5021+03	1.5212+03	1.5033+03
2	9.6455+01	6.4593+02	1.5064+03	1.5039+03	1.5228+03	1.5051+03
3	9.6436+01	6.5421+02	1.5090+03	1.5060+03	1.5254+03	1.5075+03
4	9.6672+01	6.5106+02	1.5069+03	1.5044+03	1.5238+03	1.5057+03
5	9.6444+01	6.4376+02	1.5065+03	1.5040+03	1.5234+03	1.5053+03
6	9.6696+01	6.4305+02	1.5088+03	1.5063+03	1.5252+03	1.5076+03
7	9.6932+01	6.3964+02	1.5071+03	1.5046+03	1.5240+03	1.5059+03
8	9.6993+01	6.3218+02	1.5061+03	1.5040+03	1.5229+03	1.5050+03
9	9.6754+01	6.4454+02	1.5074+03	1.5049+03	1.5243+03	1.5061+03
10	9.6873+01	6.3786+02	1.5079+03	1.5055+03	1.5248+03	1.5067+03
11	9.6900+01	6.3918+02	1.5066+03	1.5037+03	1.5230+03	1.5051+03
12	9.6778+01	6.4784+02	1.5080+03	1.5055+03	1.5249+03	1.5067+03
13	9.7016+01	6.4141+02	1.5073+03	1.5048+03	1.5233+03	1.5060+03
14	9.6773+01	6.6092+02	1.5072+03	1.5043+03	1.5236+03	1.5058+03
15	9.7221+01	6.4850+02	1.5096+03	1.5071+03	1.5265+03	1.5084+03
16	9.6773+01	6.5207+02	1.5097+03	1.5072+03	1.5261+03	1.5084+03
17	9.6953+01	6.4174+02	1.5077+03	1.5052+03	1.5246+03	1.5065+03
18	9.6500+01	6.4809+02	1.5087+03	1.5062+03	1.5255+03	1.5074+03
19	9.6577+01	6.4448+02	1.5084+03	1.5060+03	1.5253+03	1.5072+03
20	9.6887+01	6.3960+02	1.5089+03	1.5059+03	1.5253+03	1.5074+03
21	9.6913+01	6.3052+02	1.5084+03	1.5059+03	1.5253+03	1.5072+03
22	9.6929+01	6.4138+02	1.5107+03	1.5087+03	1.5280+03	1.5097+03
23	9.6471+01	6.4190+02	1.5098+03	1.5073+03	1.5262+03	1.5085+03
24	9.6736+01	6.2890+02	1.5046+03	1.5022+03	1.5209+03	1.5034+03
25	9.6717+01	6.4042+02	1.5090+03	1.5065+03	1.5254+03	1.5078+03
26	9.6592+01	6.3565+02	1.5062+03	1.5042+03	1.5231+03	1.5052+03
27	9.7276+01	6.3006+02	1.5058+03	1.5037+03	1.5226+03	1.5048+03
28	9.6669+01	6.4006+02	1.5074+03	1.5049+03	1.5238+03	1.5061+03
29	9.6614+01	6.4999+02	1.5082+03	1.5057+03	1.5251+03	1.5070+03
30	9.6614+01	6.4572+02	1.5075+03	1.5055+03	1.5240+03	1.5065+03
31	9.6638+01	6.3577+02	1.5073+03	1.5048+03	1.5237+03	1.5060+03
32	9.6627+01	6.3985+02	1.5056+03	1.5036+03	1.5224+03	1.5046+03
33	9.7040+01	6.4265+02	1.5078+03	1.5053+03	1.5242+03	1.5065+03
34	9.7019+01	6.5389+02	1.5087+03	1.5067+03	1.5251+03	1.5077+03
35	9.6492+01	6.5173+02	1.5079+03	1.5059+03	1.5244+03	1.5069+03
36	9.6574+01	6.3528+02	1.5056+03	1.5031+03	1.5215+03	1.5044+03
37	9.6444+01	6.3894+02	1.5059+03	1.5035+03	1.5228+03	1.5047+03
38	9.6582+01	6.3907+02	1.5051+03	1.5026+03	1.5218+03	1.5038+03
39	9.6789+01	6.4484+02	1.5061+03	1.5041+03	1.5229+03	1.5051+03
40	9.6290+01	6.3333+02	1.5057+03	1.5032+03	1.5225+03	1.5045+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
1	1.2223+03	1.2427+03	1.2643+03	1.2414+03	1.2420+03	1.2509+03
2	1.2246+03	1.2453+03	1.2672+03	1.2437+03	1.2445+03	1.2535+03
3	1.2274+03	1.2489+03	1.2701+03	1.2477+03	1.2483+03	1.2569+03
4	1.2243+03	1.2450+03	1.2673+03	1.2439+03	1.2444+03	1.2536+03
5	1.2251+03	1.2464+03	1.2678+03	1.2452+03	1.2458+03	1.2545+03
6	1.2290+03	1.2505+03	1.2712+03	1.2492+03	1.2498+03	1.2581+03
7	1.2274+03	1.2493+03	1.2705+03	1.2481+03	1.2487+03	1.2577+03
8	1.2293+03	1.2508+03	1.2720+03	1.2499+03	1.2504+03	1.2593+03
9	1.2268+03	1.2486+03	1.2695+03	1.2471+03	1.2478+03	1.2562+03
10	1.2286+03	1.2506+03	1.2713+03	1.2492+03	1.2499+03	1.2586+03
11	1.2264+03	1.2483+03	1.2696+03	1.2475+03	1.2479+03	1.2563+03
12	1.2269+03	1.2488+03	1.2701+03	1.2476+03	1.2482+03	1.2568+03
13	1.2279+03	1.2499+03	1.2707+03	1.2486+03	1.2492+03	1.2579+03
14	1.2187+03	1.2412+03	1.2627+03	1.2391+03	1.2401+03	1.2489+03
15	1.2259+03	1.2482+03	1.2699+03	1.2470+03	1.2476+03	1.2557+03
16	1.2264+03	1.2487+03	1.2704+03	1.2475+03	1.2481+03	1.2571+03
17	1.2275+03	1.2499+03	1.2711+03	1.2490+03	1.2495+03	1.2579+03
18	1.2293+03	1.2512+03	1.2724+03	1.2499+03	1.2506+03	1.2593+03
19	1.2286+03	1.2510+03	1.2717+03	1.2497+03	1.2504+03	1.2591+03
20	1.2308+03	1.2531+03	1.2738+03	1.2517+03	1.2524+03	1.2608+03
21	1.2317+03	1.2539+03	1.2742+03	1.2525+03	1.2532+03	1.2617+03
22	1.2290+03	1.2514+03	1.2721+03	1.2501+03	1.2507+03	1.2595+03
23	1.2273+03	1.2501+03	1.2709+03	1.2484+03	1.2493+03	1.2577+03
24	1.2237+03	1.2457+03	1.2671+03	1.2450+03	1.2454+03	1.2539+03
25	1.2323+03	1.2540+03	1.2747+03	1.2535+03	1.2538+03	1.2622+03
26	1.2265+03	1.2488+03	1.2697+03	1.2480+03	1.2484+03	1.2568+03
27	1.2281+03	1.2501+03	1.2709+03	1.2492+03	1.2497+03	1.2581+03
28	1.2302+03	1.2521+03	1.2728+03	1.2512+03	1.2516+03	1.2603+03
29	1.2259+03	1.2486+03	1.2699+03	1.2474+03	1.2480+03	1.2566+03
30	1.2282+03	1.2506+03	1.2713+03	1.2493+03	1.2499+03	1.2586+03
31	1.2297+03	1.2516+03	1.2723+03	1.2511+03	1.2513+03	1.2597+03
32	1.2271+03	1.2494+03	1.2703+03	1.2486+03	1.2490+03	1.2574+03
33	1.2267+03	1.2499+03	1.2707+03	1.2486+03	1.2493+03	1.2579+03
34	1.2239+03	1.2463+03	1.2677+03	1.2457+03	1.2460+03	1.2549+03
35	1.2223+03	1.2452+03	1.2665+03	1.2440+03	1.2446+03	1.2533+03
36	1.2230+03	1.2454+03	1.2668+03	1.2447+03	1.2451+03	1.2540+03
37	1.2262+03	1.2489+03	1.2698+03	1.2477+03	1.2483+03	1.2565+03
38	1.2245+03	1.2471+03	1.2680+03	1.2464+03	1.2467+03	1.2551+03
39	1.2218+03	1.2438+03	1.2655+03	1.2430+03	1.2434+03	1.2524+03
40	1.2235+03	1.2459+03	1.2669+03	1.2453+03	1.2456+03	1.2541+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
1	1.2612+03	1.2580+03	1.2567+03	1.5073+03	1.5069+03	1.4967+03
2	1.2634+03	1.2615+03	1.2595+03	1.5093+03	1.5089+03	1.4985+03
3	1.2659+03	1.2647+03	1.2625+03	1.5114+03	1.5111+03	1.5010+03
4	1.2635+03	1.2620+03	1.2597+03	1.5094+03	1.5090+03	1.4986+03
5	1.2648+03	1.2628+03	1.2607+03	1.5094+03	1.5091+03	1.4982+03
6	1.2683+03	1.2664+03	1.2642+03	1.5117+03	1.5109+03	1.5008+03
7	1.2675+03	1.2656+03	1.2636+03	1.5101+03	1.5097+03	1.4992+03
8	1.2691+03	1.2672+03	1.2652+03	1.5094+03	1.5086+03	1.4986+03
9	1.2665+03	1.2645+03	1.2624+03	1.5103+03	1.5100+03	1.4995+03
10	1.2688+03	1.2669+03	1.2647+03	1.5109+03	1.5106+03	1.5000+03
11	1.2666+03	1.2642+03	1.2623+03	1.5091+03	1.5087+03	1.4983+03
12	1.2666+03	1.2647+03	1.2627+03	1.5109+03	1.5106+03	1.4996+03
13	1.2676+03	1.2653+03	1.2636+03	1.5102+03	1.5094+03	1.4994+03
14	1.2593+03	1.2573+03	1.2552+03	1.5102+03	1.5098+03	1.4993+03
15	1.2661+03	1.2641+03	1.2619+03	1.5120+03	1.5117+03	1.5016+03
16	1.2669+03	1.2650+03	1.2630+03	1.5120+03	1.5117+03	1.5012+03
17	1.2681+03	1.2662+03	1.2641+03	1.5102+03	1.5103+03	1.4998+03
18	1.2695+03	1.2676+03	1.2655+03	1.5120+03	1.5116+03	1.5007+03
19	1.2688+03	1.2669+03	1.2649+03	1.5113+03	1.5110+03	1.5005+03
20	1.2711+03	1.2691+03	1.2670+03	1.5113+03	1.5110+03	1.5009+03
21	1.2720+03	1.2700+03	1.2679+03	1.5113+03	1.5110+03	1.5004+03
22	1.2697+03	1.2678+03	1.2657+03	1.5134+03	1.5135+03	1.5027+03
23	1.2674+03	1.2660+03	1.2637+03	1.5121+03	1.5122+03	1.5018+03
24	1.2642+03	1.2618+03	1.2600+03	1.5069+03	1.5066+03	1.4964+03
25	1.2721+03	1.2702+03	1.2682+03	1.5118+03	1.5115+03	1.5010+03
26	1.2666+03	1.2643+03	1.2626+03	1.5096+03	1.5092+03	1.4988+03
27	1.2679+03	1.2655+03	1.2638+03	1.5086+03	1.5083+03	1.4983+03
28	1.2700+03	1.2677+03	1.2660+03	1.5103+03	1.5100+03	1.4995+03
29	1.2664+03	1.2645+03	1.2625+03	1.5111+03	1.5108+03	1.5007+03
30	1.2684+03	1.2660+03	1.2643+03	1.5105+03	1.5101+03	1.4996+03
31	1.2699+03	1.2676+03	1.2657+03	1.5102+03	1.5099+03	1.4994+03
32	1.2677+03	1.2658+03	1.2636+03	1.5089+03	1.5085+03	1.4986+03
33	1.2677+03	1.2658+03	1.2638+03	1.5103+03	1.5104+03	1.4998+03
34	1.2648+03	1.2628+03	1.2608+03	1.5116+03	1.5113+03	1.5012+03
35	1.2633+03	1.2617+03	1.2594+03	1.5104+03	1.5105+03	1.5000+03
36	1.2639+03	1.2619+03	1.2599+03	1.5080+03	1.5076+03	1.4977+03
37	1.2668+03	1.2644+03	1.2625+03	1.5088+03	1.5084+03	1.4985+03
38	1.2651+03	1.2627+03	1.2610+03	1.5079+03	1.5080+03	1.4976+03
39	1.2623+03	1.2600+03	1.2582+03	1.5090+03	1.5086+03	1.4986+03
40	1.2644+03	1.2620+03	1.2602+03	1.5085+03	1.5082+03	1.4982+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
1	1.4434+03	1.4327+03	1.5036+03	1.3946+03	1.3916+03	1.3931+03
2	1.4449+03	1.4341+03	1.5056+03	1.3966+03	1.3930+03	1.3948+03
3	1.4474+03	1.4365+03	1.5078+03	1.3991+03	1.3956+03	1.3974+03
4	1.4455+03	1.4346+03	1.5057+03	1.3967+03	1.3935+03	1.3951+03
5	1.4451+03	1.4342+03	1.5056+03	1.3963+03	1.3931+03	1.3947+03
6	1.4477+03	1.4368+03	1.5078+03	1.3990+03	1.3959+03	1.3975+03
7	1.4461+03	1.4352+03	1.5063+03	1.3974+03	1.3947+03	1.3960+03
8	1.4455+03	1.4346+03	1.5055+03	1.3972+03	1.3940+03	1.3956+03
9	1.4464+03	1.4351+03	1.5066+03	1.3977+03	1.3945+03	1.3961+03
10	1.4469+03	1.4360+03	1.5071+03	1.3982+03	1.3951+03	1.3966+03
11	1.4451+03	1.4343+03	1.5054+03	1.3968+03	1.3932+03	1.3950+03
12	1.4465+03	1.4356+03	1.5070+03	1.3982+03	1.3946+03	1.3964+03
13	1.4458+03	1.4345+03	1.5063+03	1.3971+03	1.3939+03	1.3955+03
14	1.4458+03	1.4345+03	1.5064+03	1.3966+03	1.3934+03	1.3950+03
15	1.4480+03	1.4372+03	1.5084+03	1.3993+03	1.3958+03	1.3976+03
16	1.4480+03	1.4368+03	1.5083+03	1.3994+03	1.3959+03	1.3976+03
17	1.4463+03	1.4354+03	1.5068+03	1.3980+03	1.3948+03	1.3964+03
18	1.4475+03	1.4367+03	1.5081+03	1.3993+03	1.3958+03	1.3975+03
19	1.4473+03	1.4360+03	1.5076+03	1.3987+03	1.3956+03	1.3971+03
20	1.4473+03	1.4364+03	1.5077+03	1.3991+03	1.3960+03	1.3975+03
21	1.4473+03	1.4364+03	1.5076+03	1.3991+03	1.3955+03	1.3973+03
22	1.4494+03	1.4387+03	1.5098+03	1.4007+03	1.3978+03	1.3992+03
23	1.4485+03	1.4373+03	1.5087+03	1.3995+03	1.3964+03	1.3979+03
24	1.4430+03	1.4328+03	1.5033+03	1.3947+03	1.3917+03	1.3932+03
25	1.4478+03	1.4366+03	1.5081+03	1.3992+03	1.3961+03	1.3977+03
26	1.4457+03	1.4344+03	1.5059+03	1.3969+03	1.3933+03	1.3951+03
27	1.4447+03	1.4339+03	1.5051+03	1.3964+03	1.3932+03	1.3948+03
28	1.4463+03	1.4351+03	1.5066+03	1.3981+03	1.3945+03	1.3963+03
29	1.4471+03	1.4358+03	1.5075+03	1.3985+03	1.3949+03	1.3967+03
30	1.4465+03	1.4352+03	1.5067+03	1.3978+03	1.3946+03	1.3962+03
31	1.4467+03	1.4354+03	1.5065+03	1.3980+03	1.3944+03	1.3962+03
32	1.4454+03	1.4342+03	1.5053+03	1.3967+03	1.3935+03	1.3951+03
33	1.4463+03	1.4354+03	1.5068+03	1.3980+03	1.3944+03	1.3962+03
34	1.4472+03	1.4363+03	1.5080+03	1.3989+03	1.3954+03	1.3971+03
35	1.4460+03	1.4356+03	1.5070+03	1.3977+03	1.3941+03	1.3959+03
36	1.4445+03	1.4333+03	1.5044+03	1.3957+03	1.3922+03	1.3940+03
37	1.4449+03	1.4341+03	1.5052+03	1.3966+03	1.3930+03	1.3948+03
38	1.4440+03	1.4332+03	1.5045+03	1.3956+03	1.3921+03	1.3939+03
39	1.4451+03	1.4342+03	1.5054+03	1.3963+03	1.3927+03	1.3945+03
40	1.4451+03	1.4342+03	1.5050+03	1.3963+03	1.3927+03	1.3945+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
1	1.5117+03	6.1976+01	1.9104+02	2.0040+02	1.3498+02	1.2991+03
2	1.5137+03	6.2162+01	1.9357+02	2.0057+02	1.3562+02	1.3002+03
3	1.5163+03	6.1654+01	1.9351+02	2.0010+02	1.3510+02	1.3034+03
4	1.5142+03	6.0942+01	1.9130+02	2.0068+02	1.3574+02	1.3015+03
5	1.5138+03	6.0978+01	1.8928+02	2.0071+02	1.3532+02	1.3011+03
6	1.5161+03	6.1053+01	1.9021+02	2.0078+02	1.3495+02	1.3041+03
7	1.5149+03	6.0280+01	1.9032+02	2.0047+02	1.3422+02	1.3034+03
8	1.5142+03	6.0514+01	1.8969+02	1.9986+02	1.3402+02	1.3044+03
9	1.5147+03	5.9663+01	1.9135+02	1.9906+02	1.3364+02	1.3036+03
10	1.5153+03	6.0666+01	1.9184+02	2.0000+02	1.3417+02	1.3050+03
11	1.5139+03	5.9297+01	1.9141+02	1.9996+02	1.3371+02	1.3029+03
12	1.5158+03	6.0694+01	1.9305+02	2.0169+02	1.3639+02	1.3034+03
13	1.5141+03	6.0875+01	1.9321+02	2.0061+02	1.3478+02	1.3027+03
14	1.5145+03	6.1266+01	1.9435+02	2.0181+02	1.3652+02	1.2993+03
15	1.5165+03	6.1855+01	1.9211+02	2.0278+02	1.3758+02	1.3036+03
16	1.5166+03	6.1023+01	1.9177+02	2.0117+02	1.3582+02	1.3041+03
17	1.5151+03	6.0448+01	1.8747+02	2.0063+02	1.3479+02	1.3040+03
18	1.5165+03	6.0478+01	1.8750+02	1.9941+02	1.3399+02	1.3052+03
19	1.5162+03	5.9824+01	1.8730+02	1.9796+02	1.3254+02	1.3050+03
20	1.5162+03	6.0223+01	1.8725+02	1.9875+02	1.3333+02	1.3071+03
21	1.5162+03	6.1553+01	1.9224+02	2.0167+02	1.3500+02	1.3058+03
22	1.5184+03	6.2440+01	1.9625+02	2.0250+02	1.3636+02	1.3050+03
23	1.5171+03	6.2440+01	1.9500+02	2.0208+02	1.3636+02	1.3042+03
24	1.5118+03	6.0320+01	1.9154+02	2.0009+02	1.3384+02	1.2996+03
25	1.5168+03	6.1257+01	1.8448+02	2.0347+02	1.3697+02	1.3072+03
26	1.5144+03	6.1155+01	1.8644+02	2.0171+02	1.3641+02	1.3025+03
27	1.5135+03	6.1104+01	1.9223+02	2.0124+02	1.3681+02	1.3029+03
28	1.5152+03	6.1428+01	1.9134+02	2.0072+02	1.3624+02	1.3065+03
29	1.5160+03	6.1829+01	1.9288+02	2.0276+02	1.3846+02	1.3048+03
30	1.5149+03	6.1137+01	1.9187+02	2.0253+02	1.3776+02	1.3059+03
31	1.5151+03	6.1335+01	1.9165+02	2.0146+02	1.3705+02	1.3060+03
32	1.5137+03	6.0899+01	1.9126+02	2.0147+02	1.3706+02	1.3052+03
33	1.5151+03	6.0034+01	1.9207+02	2.0107+02	1.3572+02	1.3057+03
34	1.5165+03	6.0078+01	1.9369+02	2.0153+02	1.3486+02	1.3040+03
35	1.5153+03	6.0199+01	1.8852+02	2.0081+02	1.3679+02	1.3025+03
36	1.5124+03	6.0899+01	1.8619+02	2.0147+02	1.3842+02	1.3036+03
37	1.5132+03	6.1712+01	1.8698+02	2.0057+02	1.3925+02	1.3043+03
38	1.5123+03	6.2126+01	1.8738+02	2.0095+02	1.4012+02	1.3039+03
39	1.5134+03	6.0999+01	1.8758+02	2.0031+02	1.3943+02	1.3007+03
40	1.5129+03	6.1883+01	1.8800+02	1.9948+02	1.3807+02	1.3007+03

ENDURANCE TEST PERFORMANCE II

	328	329	330	335	390	340
	FLOW	RTDNET	PST185	W FLOW	QHB	QWBCAL
1	2.0043+00	5.6000+03	1.7280+01	6.2630+00	5.3029+02	5.6309+02
2	2.0080+00	5.6010+03	1.8380+01	5.8580+00	5.0596+02	5.3740+02
3	2.0405+00	5.6010+03	1.6800+01	6.2554+00	5.4224+02	5.7570+02
4	2.0652+00	5.5940+03	1.8000+01	6.1943+00	5.2954+02	5.6230+02
5	1.9836+00	5.5980+03	1.6620+01	6.3165+00	5.3271+02	5.6564+02
6	1.9440+00	5.6030+03	1.6600+01	6.1332+00	5.1937+02	5.5155+02
7	2.0396+00	5.6030+03	1.5560+01	5.9345+00	5.0473+02	5.3610+02
8	2.0472+00	5.6000+03	1.7200+01	6.2707+00	5.2944+02	5.6219+02
9	2.0337+00	5.6030+03	1.7760+01	6.0645+00	5.2327+02	5.5567+02
10	2.0482+00	5.6000+03	1.6780+01	5.8963+00	5.0618+02	5.3763+02
11	2.0360+00	5.5980+03	1.7580+01	6.0568+00	5.2354+02	5.5596+02
12	2.0438+00	5.5980+03	1.7420+01	6.1409+00	5.3245+02	5.6536+02
13	2.0276+00	5.5990+03	1.7900+01	6.0645+00	5.2445+02	5.5692+02
14	2.0493+00	5.5980+03	1.7660+01	6.0263+00	5.2540+02	5.5792+02
15	2.0304+00	5.6030+03	1.7980+01	6.3546+00	5.3976+02	5.7308+02
16	2.0198+00	5.5980+03	1.7380+01	6.3775+00	5.4625+02	5.7993+02
17	2.0683+00	5.5980+03	1.6980+01	6.4156+00	5.3288+02	5.6582+02
18	2.0584+00	5.5990+03	1.6920+01	6.3699+00	5.3156+02	5.6443+02
19	2.0556+00	5.5960+03	1.6360+01	6.3165+00	5.2855+02	5.6125+02
20	2.0539+00	5.5970+03	1.7060+01	6.3851+00	5.3074+02	5.6356+02
21	2.0354+00	5.5970+03	1.7460+01	6.1409+00	5.2498+02	5.5748+02
22	2.0389+00	5.5970+03	1.8100+01	6.1409+00	5.3745+02	5.7064+02
23	2.0618+00	5.5980+03	1.6760+01	6.2020+00	5.4028+02	5.7363+02
24	2.0487+00	5.6010+03	1.7200+01	6.0874+00	5.2348+02	5.5590+02
25	2.0543+00	5.6020+03	1.6120+01	6.4080+00	5.1758+02	5.4967+02
26	2.0287+00	5.5970+03	1.7620+01	6.3851+00	5.2503+02	5.5753+02
27	2.0720+00	5.5940+03	1.8380+01	5.9957+00	5.1239+02	5.4419+02
28	2.0950+00	5.6020+03	1.8400+01	6.1332+00	5.2253+02	5.5490+02
29	2.0487+00	5.6050+03	1.6540+01	6.2249+00	5.3530+02	5.6837+02
30	2.0177+00	5.6010+03	1.7560+01	6.1562+00	5.2811+02	5.6078+02
31	2.0654+00	5.6010+03	1.8160+01	6.1409+00	5.2499+02	5.5749+02
32	2.0848+00	5.5990+03	1.8200+01	5.9422+00	5.0824+02	5.3981+02
33	2.0498+00	5.6000+03	1.6960+01	6.1791+00	5.3301+02	5.6595+02
34	2.0580+00	5.6030+03	1.7200+01	6.0416+00	5.2747+02	5.6011+02
35	1.9966+00	5.6010+03	1.7680+01	6.3317+00	5.3383+02	5.6682+02
36	2.0907+00	5.6000+03	1.9120+01	6.5223+00	5.3645+02	5.6958+02
37	2.0887+00	5.5980+03	1.7680+01	6.4690+00	5.3267+02	5.6560+02
38	2.0630+00	5.6000+03	1.8280+01	6.3699+00	5.2371+02	5.5614+02
39	2.0063+00	5.5940+03	1.8600+01	6.5300+00	5.4139+02	5.7480+02
40	2.0204+00	5.5990+03	1.7860+01	6.2707+00	5.2070+02	5.5296+02

ENDURANCE TEST PERFORMANCE II

	347 P8PSIA	351 P7PSIA	353 PSCAL	357 P1PSIA	373 X1	385 QNETC
1	5.7299+00	6.1389+00	6.7700+00	2.4867+01	9.9603-01	6.5017+02
2	5.8784+00	6.2296+00	6.8814+00	2.5172+01	9.9570-01	6.2281+02
3	6.1159+00	6.3345+00	6.9139+00	2.5361+01	9.9632-01	6.6367+02
4	5.8586+00	6.2057+00	6.8814+00	2.5234+01	9.9602-01	6.4873+02
5	5.7992+00	6.2057+00	6.9603+00	2.5121+01	9.9565-01	6.5407+02
6	5.8091+00	6.3345+00	7.1970+00	2.5285+01	9.9538-01	6.4039+02
7	5.8982+00	6.2868+00	7.1228+00	2.5205+01	9.9553-01	6.2644+02
8	6.0169+00	6.4109+00	7.1506+00	2.5215+01	9.9569-01	6.5030+02
9	5.9081+00	6.2534+00	6.9835+00	2.5238+01	9.9615-01	6.4340+02
10	5.7992+00	6.2868+00	7.1785+00	2.5205+01	9.9573-01	6.2715+02
11	5.6706+00	6.2009+00	7.1228+00	2.5050+01	9.9548-01	6.4445+02
12	5.6805+00	6.1914+00	7.0671+00	2.5158+01	9.9577-01	6.5364+02
13	5.8883+00	6.2439+00	6.8907+00	2.5036+01	9.9638-01	6.4392+02
14	5.5122+00	5.9003+00	6.6168+00	2.5102+01	9.9659-01	6.4492+02
15	5.7299+00	6.1485+00	6.9092+00	2.5243+01	9.9644-01	6.6131+02
16	5.6310+00	6.1866+00	7.0392+00	2.5314+01	9.9600-01	6.6793+02
17	5.8190+00	6.2582+00	6.9881+00	2.5149+01	9.9625-01	6.5455+02
18	5.8685+00	6.2964+00	7.0206+00	2.5257+01	9.9640-01	6.5191+02
19	5.8586+00	6.2821+00	7.0810+00	2.5318+01	9.9608-01	6.4981+02
20	5.9378+00	6.3298+00	7.1228+00	2.5243+01	9.9648-01	6.5174+02
21	5.7596+00	6.3155+00	7.2667+00	2.5144+01	9.9562-01	6.4617+02
22	5.5320+00	6.1437+00	7.1460+00	2.5229+01	9.9585-01	6.5788+02
23	5.4924+00	6.1055+00	7.0856+00	2.5083+01	9.9594-01	6.6208+02
24	5.4430+00	6.0101+00	6.9092+00	2.4725+01	9.9567-01	6.4483+02
25	5.7794+00	6.3536+00	7.1692+00	2.5224+01	9.9634-01	6.4099+02
26	5.5914+00	6.1962+00	7.1042+00	2.5031+01	9.9547-01	6.4551+02
27	5.7893+00	6.2964+00	7.0671+00	2.5017+01	9.9573-01	6.3137+02
28	5.9378+00	6.3775+00	7.0160+00	2.5111+01	9.9683-01	6.4100+02
29	5.7596+00	6.2296+00	6.8953+00	2.5238+01	9.9681-01	6.5788+02
30	5.8586+00	6.3250+00	6.9881+00	2.5238+01	9.9670-01	6.4886+02
31	5.8982+00	6.3536+00	7.0671+00	2.5187+01	9.9646-01	6.4420+02
32	5.9873+00	6.2868+00	6.8953+00	2.5055+01	9.9700-01	6.2713+02
33	5.7992+00	6.2773+00	7.0903+00	2.5243+01	9.9624-01	6.5563+02
34	5.7201+00	6.1819+00	7.0114+00	2.5375+01	9.9607-01	6.4925+02
35	5.4331+00	6.0817+00	7.0346+00	2.5201+01	9.9566-01	6.5449+02
36	5.4726+00	6.0769+00	6.9510+00	2.4862+01	9.9643-01	6.5524+02
37	5.6013+00	6.2057+00	7.0160+00	2.5031+01	9.9629-01	6.5440+02
38	5.6409+00	6.1962+00	6.9232+00	2.4937+01	9.9659-01	6.4351+02
39	5.5518+00	6.0626+00	6.8582+00	2.5022+01	9.9601-01	6.6280+02
40	5.6409+00	6.1055+00	6.8118+00	2.4895+01	9.9626-01	6.3967+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
1	6.3157+02	1.0000+00	2.7500+02	1.0316+05	1.2300+03	8.0200+02
2	6.3068+02	1.0000+00	2.7600+02	1.0316+05	1.4300+03	8.0400+02
3	6.3583+02	1.0000+00	2.7700+02	1.0316+05	1.6300+03	8.0600+02
4	6.3466+02	1.0000+00	2.7800+02	1.0316+05	1.8300+03	8.0800+02
5	6.3108+02	1.0000+00	2.7900+02	1.0316+05	2.0300+03	8.1000+02
6	6.2986+02	1.0000+00	2.8000+02	1.0316+05	2.2300+03	8.1200+02
7	6.3004+02	1.0000+00	2.8100+02	1.1016+05	3.0000+01	8.1400+02
8	6.2553+02	1.0000+00	2.8200+02	1.1016+05	2.3000+02	8.1600+02
9	6.3194+02	1.0000+00	2.8300+02	1.1016+05	4.3000+02	8.1800+02
10	6.2857+02	1.0000+00	2.8400+02	1.1016+05	6.3000+02	8.2000+02
11	6.3317+02	1.0000+00	2.8500+02	1.1016+05	8.3000+02	8.2200+02
12	6.3711+02	1.0000+00	2.8600+02	1.1016+05	1.0300+03	8.2400+02
13	6.3696+02	1.0000+00	2.8700+02	1.1016+05	1.2300+03	8.2600+02
14	6.4326+02	1.0000+00	2.8800+02	1.1016+05	1.4300+03	8.2800+02
15	6.3563+02	1.0000+00	2.8900+02	1.1016+05	1.6300+03	8.3000+02
16	6.3552+02	1.0000+00	2.9000+02	1.1016+05	1.8300+03	8.3200+02
17	6.3391+02	1.0000+00	2.9100+02	1.1016+05	2.0300+03	8.3400+02
18	6.3539+02	1.0000+00	2.9200+02	1.1016+05	2.2300+03	8.3600+02
19	6.3074+02	1.0000+00	2.9300+02	1.1026+05	3.0000+01	8.3800+02
20	6.3150+02	1.0000+00	2.9400+02	1.1026+05	2.3000+02	8.4000+02
21	6.2633+02	1.0000+00	2.9500+02	1.1026+05	4.3000+02	8.4200+02
22	6.2976+02	1.0000+00	2.9600+02	1.1026+05	6.3000+02	8.4400+02
23	6.3105+02	1.0000+00	2.9700+02	1.1026+05	8.3000+02	8.4600+02
24	6.2918+02	1.0000+00	2.9800+02	1.1026+05	1.0300+03	8.4800+02
25	6.3306+02	1.0000+00	2.9900+02	1.1026+05	1.2300+03	8.5000+02
26	6.2907+02	1.0000+00	3.0000+02	1.1026+05	1.4300+03	8.5200+02
27	6.2927+02	1.0000+00	3.0100+02	1.1026+05	1.6300+03	8.5400+02
28	6.3446+02	1.0000+00	3.0200+02	1.1026+05	1.9150+03	8.5675+02
29	6.3590+02	1.0000+00	3.0300+02	1.1026+05	2.0300+03	8.5800+02
30	6.3433+02	1.0000+00	3.0400+02	1.1026+05	2.2300+03	8.6000+02
31	6.2805+02	1.0000+00	3.0500+02	1.1036+05	3.0000+01	8.6200+02
32	6.3413+02	1.0000+00	3.0600+02	1.1036+05	2.3000+02	8.6400+02
33	6.3268+02	1.0000+00	3.0700+02	1.1036+05	4.3000+02	8.6600+02
34	6.3544+02	1.0000+00	3.0800+02	1.1036+05	6.3000+02	8.6800+02
35	6.3417+02	1.0000+00	3.0900+02	1.1036+05	8.3000+02	8.7000+02
36	6.2997+02	1.0000+00	3.1000+02	1.1036+05	1.0300+03	8.7200+02
37	6.3196+02	1.0000+00	3.1100+02	1.1036+05	1.2300+03	8.7400+02
38	6.3424+02	1.0000+00	3.1200+02	1.1036+05	1.4300+03	8.7600+02
39	6.3394+02	1.0000+00	3.1300+02	1.1036+05	1.6300+03	8.7800+02
40	6.2626+02	1.0000+00	3.1400+02	1.1036+05	1.8300+03	8.8000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

November 3 to November 7

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
41	3.1500+02	1.1036+05	2.0300+03	1.8259+04	5.5337+02	9.0326+00
42	3.1600+02	1.1036+05	2.2300+03	1.8256+04	5.5657+02	9.1078+00
43	3.1700+02	1.1046+05	3.0000+01	1.8246+04	5.6008+02	9.0376+00
44	3.1800+02	1.1046+05	2.3000+02	1.8219+04	5.5892+02	9.2882+00
45	3.1900+02	1.1046+05	4.3000+02	1.8216+04	5.5014+02	7.7444+00
46	3.2000+02	1.1046+05	6.3000+02	1.8264+04	5.4172+02	8.1704+00
47	3.2100+02	1.1046+05	8.3000+02	1.8250+04	5.4527+02	8.1654+00
48	3.2200+02	1.1046+05	1.0300+03	1.8251+04	5.6491+02	9.1729+00
49	3.2300+02	1.1046+05	1.2300+03	1.8269+04	5.5852+02	9.9348+00
50	3.2400+02	1.1046+05	1.4300+03	1.8298+04	5.5094+02	8.8521+00
51	3.2500+02	1.1046+05	1.6450+03	1.8228+04	5.5856+02	8.7469+00
52	3.2600+02	1.1046+05	1.8300+03	1.8245+04	5.6298+02	7.4787+00
53	3.2700+02	1.1046+05	2.0300+03	1.8255+04	5.5912+02	7.4286+00
54	3.2800+02	1.1046+05	2.2300+03	1.8216+04	5.5333+02	8.3308+00
55	3.2900+02	1.1056+05	3.0000+01	1.8223+04	5.5038+02	3.8045+00
56	3.3000+02	1.1056+05	2.3000+02	1.8307+04	5.4160+02	6.8822+00
57	3.3100+02	1.1056+05	4.3000+02	1.8223+04	5.4212+02	6.8521+00
58	3.3200+02	1.1056+05	6.3000+02	1.8269+04	5.4639+02	7.5940+00
59	3.3300+02	1.1056+05	8.3000+02	1.8249+04	5.5194+02	7.1579+00
60	3.3400+02	1.1056+05	1.0300+03	1.8253+04	5.5289+02	8.8922+00
61	3.3500+02	1.1056+05	1.2300+03	1.8200+04	5.4998+02	8.1404+00
62	3.3600+02	1.1056+05	1.4300+03	1.8269+04	5.4838+02	9.0226+00
63	3.3700+02	1.1056+05	1.6300+03	1.8256+04	5.5030+02	8.7218+00
64	3.3800+02	1.1056+05	1.8300+03	1.8197+04	5.5433+02	7.7494+00
65	3.3900+02	1.1056+05	2.0300+03	1.8269+04	5.6060+02	9.8145+00
66	3.4000+02	1.1056+05	2.2300+03	1.8208+04	5.6068+02	1.0020+01
67	3.4100+02	1.1066+05	3.0000+01	1.8186+04	5.5242+02	8.3409+00
68	3.4200+02	1.1066+05	2.3000+02	1.8232+04	5.5170+02	9.3383+00
69	3.4300+02	1.1066+05	4.3000+02	1.8242+04	5.4870+02	7.9198+00
70	3.4400+02	1.1066+05	6.3000+02	1.8271+04	5.5194+02	9.1328+00
71	3.4500+02	1.1066+05	8.3000+02	1.8285+04	5.5677+02	7.9499+00
72	3.4600+02	1.1066+05	1.0300+03	1.8227+04	5.5070+02	9.1529+00
73	3.4700+02	1.1066+05	1.2300+03	1.8209+04	5.5513+02	8.8070+00
74	3.4800+02	1.1066+05	1.4300+03	1.8250+04	5.5709+02	9.8897+00
75	3.4900+02	1.1066+05	1.6300+03	1.8209+04	5.6004+02	9.1779+00
76	3.5000+02	1.1066+05	1.8300+03	1.8243+04	5.5988+02	1.1484+01
77	3.5100+02	1.1066+05	2.0300+03	1.8248+04	5.5433+02	8.8622+00
78	3.5200+02	1.1066+05	2.2300+03	1.8251+04	5.5525+02	9.1128+00
79	3.5300+02	1.1076+05	3.0000+01	1.8257+04	5.5501+02	9.2682+00
80	3.5400+02	1.1076+05	2.3000+02	1.8250+04	5.5281+02	9.1479+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
41	9.6773+01	6.4111+02	1.5068+03	1.5044+03	1.5237+03	1.5056+03
42	9.6757+01	6.4422+02	1.5075+03	1.5050+03	1.5239+03	1.5062+03
43	9.6704+01	6.4775+02	1.5090+03	1.5065+03	1.5259+03	1.5078+03
44	9.6563+01	6.4620+02	1.5070+03	1.5046+03	1.5239+03	1.5058+03
45	9.6545+01	6.3894+02	1.5068+03	1.5048+03	1.5237+03	1.5058+03
46	9.6799+01	6.3035+02	1.5079+03	1.5054+03	1.5243+03	1.5067+03
47	9.6725+01	6.3383+02	1.5079+03	1.5055+03	1.5244+03	1.5067+03
48	9.6730+01	6.5247+02	1.5101+03	1.5077+03	1.5265+03	1.5089+03
49	9.6826+01	6.4541+02	1.5085+03	1.5060+03	1.5249+03	1.5073+03
50	9.6982+01	6.3907+02	1.5069+03	1.5049+03	1.5238+03	1.5059+03
51	9.6608+01	6.4642+02	1.5084+03	1.5064+03	1.5257+03	1.5074+03
52	9.6698+01	6.5220+02	1.5101+03	1.5076+03	1.5270+03	1.5089+03
53	9.6754+01	6.4845+02	1.5096+03	1.5071+03	1.5260+03	1.5084+03
54	9.6547+01	6.4155+02	1.5092+03	1.5067+03	1.5256+03	1.5079+03
55	9.6585+01	6.4316+02	1.5087+03	1.5062+03	1.5255+03	1.5074+03
56	9.7027+01	6.3174+02	1.5071+03	1.5047+03	1.5236+03	1.5059+03
57	9.6582+01	6.3185+02	1.5066+03	1.5046+03	1.5235+03	1.5056+03
58	9.6828+01	6.3562+02	1.5080+03	1.5055+03	1.5244+03	1.5067+03
59	9.6722+01	6.4150+02	1.5077+03	1.5057+03	1.5250+03	1.5067+03
60	9.6741+01	6.4074+02	1.5085+03	1.5065+03	1.5254+03	1.5075+03
61	9.6460+01	6.3830+02	1.5082+03	1.5057+03	1.5247+03	1.5070+03
62	9.6826+01	6.3619+02	1.5082+03	1.5057+03	1.5246+03	1.5069+03
63	9.6759+01	6.3834+02	1.5088+03	1.5063+03	1.5252+03	1.5075+03
64	9.6447+01	6.4303+02	1.5087+03	1.5062+03	1.5251+03	1.5074+03
65	9.6828+01	6.4762+02	1.5093+03	1.5068+03	1.5261+03	1.5080+03
66	9.6505+01	6.4717+02	1.5093+03	1.5073+03	1.5257+03	1.5083+03
67	9.6386+01	6.4046+02	1.5083+03	1.5058+03	1.5247+03	1.5071+03
68	9.6632+01	6.3899+02	1.5080+03	1.5055+03	1.5245+03	1.5068+03
69	9.6683+01	6.3747+02	1.5093+03	1.5068+03	1.5257+03	1.5081+03
70	9.6836+01	6.3964+02	1.5082+03	1.5062+03	1.5251+03	1.5072+03
71	9.6910+01	6.4573+02	1.5082+03	1.5057+03	1.5247+03	1.5070+03
72	9.6606+01	6.3815+02	1.5076+03	1.5051+03	1.5240+03	1.5063+03
73	9.6510+01	6.4283+02	1.5069+03	1.5045+03	1.5238+03	1.5057+03
74	9.6728+01	6.4392+02	1.5092+03	1.5068+03	1.5261+03	1.5080+03
75	9.6508+01	6.4737+02	1.5081+03	1.5057+03	1.5246+03	1.5069+03
76	9.6691+01	6.4509+02	1.5077+03	1.5048+03	1.5242+03	1.5063+03
77	9.6717+01	6.4219+02	1.5086+03	1.5061+03	1.5251+03	1.5074+03
78	9.6733+01	6.4287+02	1.5087+03	1.5063+03	1.5247+03	1.5075+03
79	9.6765+01	6.4251+02	1.5108+03	1.5083+03	1.5272+03	1.5095+03
80	9.6725+01	6.4039+02	1.5078+03	1.5053+03	1.5242+03	1.5065+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
41	1.2254+03	1.2476+03	1.2690+03	1.2469+03	1.2473+03	1.2556+03
42	1.2265+03	1.2492+03	1.2700+03	1.2484+03	1.2488+03	1.2572+03
43	1.2283+03	1.2511+03	1.2719+03	1.2498+03	1.2505+03	1.2592+03
44	1.2265+03	1.2492+03	1.2700+03	1.2484+03	1.2488+03	1.2577+03
45	1.2283+03	1.2512+03	1.2715+03	1.2502+03	1.2507+03	1.2592+03
46	1.2317+03	1.2543+03	1.2750+03	1.2541+03	1.2542+03	1.2633+03
47	1.2295+03	1.2526+03	1.2729+03	1.2517+03	1.2522+03	1.2604+03
48	1.2268+03	1.2500+03	1.2712+03	1.2491+03	1.2496+03	1.2585+03
49	1.2241+03	1.2470+03	1.2680+03	1.2459+03	1.2465+03	1.2547+03
50	1.2243+03	1.2473+03	1.2682+03	1.2466+03	1.2470+03	1.2549+03
51	1.2244+03	1.2474+03	1.2684+03	1.2463+03	1.2468+03	1.2550+03
52	1.2268+03	1.2504+03	1.2708+03	1.2495+03	1.2500+03	1.2575+03
53	1.2272+03	1.2504+03	1.2712+03	1.2495+03	1.2500+03	1.2589+03
54	1.2307+03	1.2537+03	1.2741+03	1.2532+03	1.2535+03	1.2619+03
55	1.2293+03	1.2525+03	1.2732+03	1.2519+03	1.2522+03	1.2606+03
56	1.2261+03	1.2493+03	1.2701+03	1.2485+03	1.2489+03	1.2573+03
57	1.2281+03	1.2514+03	1.2717+03	1.2509+03	1.2511+03	1.2595+03
58	1.2299+03	1.2531+03	1.2738+03	1.2529+03	1.2530+03	1.2613+03
59	1.2242+03	1.2472+03	1.2681+03	1.2469+03	1.2470+03	1.2552+03
60	1.2270+03	1.2502+03	1.2710+03	1.2497+03	1.2500+03	1.2582+03
61	1.2272+03	1.2504+03	1.2711+03	1.2499+03	1.2501+03	1.2589+03
62	1.2267+03	1.2503+03	1.2706+03	1.2498+03	1.2501+03	1.2579+03
63	1.2294+03	1.2522+03	1.2725+03	1.2516+03	1.2519+03	1.2603+03
64	1.2284+03	1.2512+03	1.2719+03	1.2503+03	1.2508+03	1.2593+03
65	1.2252+03	1.2487+03	1.2696+03	1.2484+03	1.2486+03	1.2567+03
66	1.2277+03	1.2518+03	1.2721+03	1.2509+03	1.2514+03	1.2595+03
67	1.2264+03	1.2500+03	1.2708+03	1.2496+03	1.2498+03	1.2585+03
68	1.2270+03	1.2506+03	1.2709+03	1.2497+03	1.2502+03	1.2582+03
69	1.2308+03	1.2539+03	1.2746+03	1.2538+03	1.2538+03	1.2625+03
70	1.2268+03	1.2504+03	1.2707+03	1.2499+03	1.2502+03	1.2584+03
71	1.2230+03	1.2463+03	1.2673+03	1.2461+03	1.2462+03	1.2544+03
72	1.2232+03	1.2461+03	1.2671+03	1.2459+03	1.2460+03	1.2543+03
73	1.2235+03	1.2464+03	1.2673+03	1.2462+03	1.2463+03	1.2545+03
74	1.2273+03	1.2509+03	1.2716+03	1.2504+03	1.2507+03	1.2590+03
75	1.2225+03	1.2462+03	1.2672+03	1.2456+03	1.2459+03	1.2539+03
76	1.2254+03	1.2490+03	1.2694+03	1.2486+03	1.2488+03	1.2565+03
77	1.2250+03	1.2490+03	1.2694+03	1.2482+03	1.2486+03	1.2565+03
78	1.2260+03	1.2495+03	1.2704+03	1.2495+03	1.2495+03	1.2585+03
79	1.2305+03	1.2544+03	1.2747+03	1.2538+03	1.2541+03	1.2626+03
80	1.2242+03	1.2481+03	1.2690+03	1.2478+03	1.2480+03	1.2561+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
41	1.2660+03	1.2636+03	1.2617+03	1.5102+03	1.5099+03	1.4994+03
42	1.2670+03	1.2651+03	1.2631+03	1.5105+03	1.5101+03	1.5000+03
43	1.2690+03	1.2666+03	1.2649+03	1.5114+03	1.5111+03	1.5010+03
44	1.2674+03	1.2655+03	1.2635+03	1.5100+03	1.5096+03	1.4996+03
45	1.2690+03	1.2675+03	1.2652+03	1.5097+03	1.5094+03	1.4993+03
46	1.2728+03	1.2708+03	1.2690+03	1.5108+03	1.5105+03	1.5004+03
47	1.2706+03	1.2687+03	1.2666+03	1.5100+03	1.5096+03	1.4996+03
48	1.2682+03	1.2663+03	1.2644+03	1.5125+03	1.5126+03	1.5021+03
49	1.2646+03	1.2630+03	1.2608+03	1.5105+03	1.5106+03	1.5005+03
50	1.2653+03	1.2633+03	1.2612+03	1.5094+03	1.5095+03	1.4995+03
51	1.2654+03	1.2634+03	1.2613+03	1.5113+03	1.5110+03	1.5009+03
52	1.2682+03	1.2663+03	1.2640+03	1.5124+03	1.5125+03	1.5025+03
53	1.2687+03	1.2667+03	1.2648+03	1.5120+03	1.5121+03	1.5016+03
54	1.2718+03	1.2699+03	1.2679+03	1.5116+03	1.5117+03	1.5012+03
55	1.2709+03	1.2689+03	1.2668+03	1.5111+03	1.5112+03	1.5011+03
56	1.2675+03	1.2652+03	1.2633+03	1.5096+03	1.5093+03	1.4992+03
57	1.2697+03	1.2673+03	1.2655+03	1.5096+03	1.5096+03	1.4992+03
58	1.2715+03	1.2696+03	1.2675+03	1.5105+03	1.5106+03	1.5000+03
59	1.2655+03	1.2632+03	1.2613+03	1.5107+03	1.5103+03	1.5002+03
60	1.2680+03	1.2661+03	1.2641+03	1.5114+03	1.5115+03	1.5014+03
61	1.2686+03	1.2663+03	1.2646+03	1.5107+03	1.5104+03	1.5002+03
62	1.2681+03	1.2662+03	1.2640+03	1.5106+03	1.5107+03	1.5006+03
63	1.2705+03	1.2682+03	1.2663+03	1.5116+03	1.5113+03	1.5012+03
64	1.2691+03	1.2672+03	1.2652+03	1.5111+03	1.5112+03	1.5011+03
65	1.2670+03	1.2650+03	1.2629+03	1.5117+03	1.5118+03	1.5017+03
66	1.2693+03	1.2678+03	1.2655+03	1.5121+03	1.5122+03	1.5018+03
67	1.2682+03	1.2663+03	1.2644+03	1.5108+03	1.5109+03	1.5008+03
68	1.2680+03	1.2661+03	1.2641+03	1.5101+03	1.5102+03	1.5001+03
69	1.2724+03	1.2704+03	1.2684+03	1.5113+03	1.5114+03	1.5013+03
70	1.2686+03	1.2667+03	1.2646+03	1.5111+03	1.5112+03	1.5011+03
71	1.2648+03	1.2628+03	1.2607+03	1.5107+03	1.5108+03	1.5007+03
72	1.2646+03	1.2626+03	1.2605+03	1.5101+03	1.5097+03	1.4996+03
73	1.2648+03	1.2624+03	1.2606+03	1.5099+03	1.5095+03	1.4995+03
74	1.2687+03	1.2664+03	1.2647+03	1.5125+03	1.5122+03	1.5021+03
75	1.2647+03	1.2623+03	1.2603+03	1.5110+03	1.5111+03	1.5010+03
76	1.2672+03	1.2648+03	1.2629+03	1.5102+03	1.5103+03	1.4998+03
77	1.2668+03	1.2648+03	1.2627+03	1.5111+03	1.5112+03	1.5011+03
78	1.2682+03	1.2659+03	1.2642+03	1.5112+03	1.5113+03	1.5012+03
79	1.2729+03	1.2705+03	1.2687+03	1.5130+03	1.5127+03	1.5032+03
80	1.2664+03	1.2645+03	1.2623+03	1.5103+03	1.5104+03	1.5002+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
41	1.4458+03	1.4350+03	1.5065+03	1.3971+03	1.3939+03	1.3955+03
42	1.4465+03	1.4356+03	1.5068+03	1.3978+03	1.3946+03	1.3962+03
43	1.4474+03	1.4361+03	1.5079+03	1.3988+03	1.3957+03	1.3972+03
44	1.4452+03	1.4348+03	1.5064+03	1.3973+03	1.3937+03	1.3955+03
45	1.4458+03	1.4349+03	1.5061+03	1.3975+03	1.3939+03	1.3957+03
46	1.4460+03	1.4355+03	1.5072+03	1.3986+03	1.3955+03	1.3970+03
47	1.4465+03	1.4352+03	1.5064+03	1.3982+03	1.3946+03	1.3964+03
48	1.4484+03	1.4372+03	1.5090+03	1.3998+03	1.3963+03	1.3981+03
49	1.4470+03	1.4361+03	1.5072+03	1.3979+03	1.3947+03	1.3963+03
50	1.4460+03	1.4351+03	1.5062+03	1.3972+03	1.3940+03	1.3956+03
51	1.4473+03	1.4364+03	1.5077+03	1.3986+03	1.3951+03	1.3969+03
52	1.4484+03	1.4376+03	1.5092+03	1.3998+03	1.3967+03	1.3983+03
53	1.4480+03	1.4372+03	1.5086+03	1.3989+03	1.3954+03	1.3971+03
54	1.4476+03	1.4367+03	1.5081+03	1.3997+03	1.3963+03	1.3980+03
55	1.4467+03	1.4362+03	1.5078+03	1.3989+03	1.3958+03	1.3973+03
56	1.4457+03	1.4348+03	1.5061+03	1.3974+03	1.3938+03	1.3956+03
57	1.4456+03	1.4348+03	1.5061+03	1.3973+03	1.3942+03	1.3957+03
58	1.4469+03	1.4356+03	1.5070+03	1.3982+03	1.3951+03	1.3966+03
59	1.4467+03	1.4358+03	1.5070+03	1.3984+03	1.3948+03	1.3966+03
60	1.4474+03	1.4365+03	1.5081+03	1.3987+03	1.3956+03	1.3972+03
61	1.4463+03	1.4358+03	1.5071+03	1.3985+03	1.3949+03	1.3967+03
62	1.4467+03	1.4362+03	1.5073+03	1.3984+03	1.3948+03	1.3966+03
63	1.4476+03	1.4368+03	1.5081+03	1.3990+03	1.3963+03	1.3977+03
64	1.4467+03	1.4362+03	1.5078+03	1.3989+03	1.3953+03	1.3971+03
65	1.4477+03	1.4368+03	1.5084+03	1.3990+03	1.3959+03	1.3975+03
66	1.4477+03	1.4369+03	1.5087+03	1.3999+03	1.3964+03	1.3982+03
67	1.4468+03	1.4359+03	1.5075+03	1.3981+03	1.3945+03	1.3963+03
68	1.4465+03	1.4357+03	1.5068+03	1.3983+03	1.3947+03	1.3965+03
69	1.4473+03	1.4364+03	1.5080+03	1.3995+03	1.3959+03	1.3977+03
70	1.4471+03	1.4359+03	1.5078+03	1.3989+03	1.3958+03	1.3974+03
71	1.4467+03	1.4358+03	1.5074+03	1.3985+03	1.3949+03	1.3967+03
72	1.4461+03	1.4352+03	1.5065+03	1.3974+03	1.3938+03	1.3956+03
73	1.4459+03	1.4351+03	1.5063+03	1.3977+03	1.3940+03	1.3958+03
74	1.4485+03	1.4377+03	1.5089+03	1.3998+03	1.3963+03	1.3981+03
75	1.4470+03	1.4366+03	1.5077+03	1.3984+03	1.3948+03	1.3966+03
76	1.4463+03	1.4358+03	1.5068+03	1.3980+03	1.3944+03	1.3962+03
77	1.4475+03	1.4366+03	1.5078+03	1.3988+03	1.3957+03	1.3973+03
78	1.4464+03	1.4359+03	1.5079+03	1.3990+03	1.3954+03	1.3972+03
79	1.4486+03	1.4383+03	1.5097+03	1.4008+03	1.3974+03	1.3991+03
80	1.4463+03	1.4354+03	1.5070+03	1.3980+03	1.3944+03	1.3962+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
41	1.5142+03	6.2219+01	1.8833+02	2.0021+02	1.3796+02	1.3023+03
42	1.5153+03	6.1107+01	1.8768+02	1.9875+02	1.3727+02	1.3025+03
43	1.5164+03	6.1709+01	1.8999+02	2.0056+02	1.3925+02	1.3056+03
44	1.5139+03	6.1107+01	1.8854+02	2.0125+02	1.3954+02	1.3050+03
45	1.5137+03	6.1734+01	1.8829+02	2.0142+02	1.4059+02	1.3064+03
46	1.5152+03	6.1955+01	1.8850+02	2.0163+02	1.3905+02	1.3087+03
47	1.5148+03	6.1104+01	1.8768+02	2.0041+02	1.3863+02	1.3054+03
48	1.5179+03	6.1017+01	1.9058+02	2.0033+02	1.3854+02	1.3045+03
49	1.5158+03	6.2084+01	1.9034+02	2.0133+02	1.3918+02	1.3022+03
50	1.5147+03	6.2784+01	1.9017+02	2.0157+02	1.3990+02	1.3007+03
51	1.5162+03	6.2000+01	1.9224+02	2.0209+02	1.4042+02	1.3038+03
52	1.5179+03	6.1428+01	1.9252+02	2.0072+02	1.3851+02	1.3040+03
53	1.5170+03	6.1416+01	1.9172+02	1.9945+02	1.3668+02	1.3049+03
54	1.5169+03	6.0963+01	1.9012+02	1.9903+02	1.3530+02	1.3061+03
55	1.5164+03	6.0472+01	1.9128+02	1.9815+02	1.3482+02	1.3065+03
56	1.5145+03	6.0750+01	1.9034+02	1.9841+02	1.3554+02	1.3030+03
57	1.5144+03	6.0223+01	1.8897+02	1.9792+02	1.3458+02	1.3050+03
58	1.5153+03	6.0669+01	1.8812+02	1.9917+02	1.3500+02	1.3063+03
59	1.5155+03	6.0427+01	1.8831+02	1.9727+02	1.3394+02	1.3006+03
60	1.5163+03	6.0319+01	1.8950+02	1.9967+02	1.3646+02	1.3051+03
61	1.5160+03	6.0942+01	1.9010+02	1.9984+02	1.3846+02	1.3044+03
62	1.5164+03	6.0865+01	1.8874+02	1.9894+02	1.3702+02	1.3027+03
63	1.5166+03	6.2816+01	1.9060+02	2.0119+02	1.4035+02	1.3049+03
64	1.5165+03	6.2258+01	1.9129+02	2.0191+02	1.4066+02	1.3077+03
65	1.5171+03	6.1964+01	1.9260+02	2.0122+02	1.3860+02	1.3046+03
66	1.5167+03	6.1118+01	1.9303+02	1.9959+02	1.3683+02	1.3063+03
67	1.5156+03	6.1461+01	1.9097+02	2.0158+02	1.3854+02	1.3053+03
68	1.5154+03	6.0736+01	1.9072+02	2.0132+02	1.3780+02	1.3051+03
69	1.5162+03	6.1098+01	1.9104+02	2.0124+02	1.3772+02	1.3079+03
70	1.5160+03	6.1841+01	1.9052+02	2.0152+02	1.3893+02	1.3053+03
71	1.5160+03	6.0493+01	1.9130+02	2.0109+02	1.3755+02	1.3023+03
72	1.5145+03	6.0742+01	1.8442+02	2.0174+02	1.3871+02	1.3026+03
73	1.5143+03	6.1886+01	1.8464+02	2.0156+02	1.3943+02	1.3016+03
74	1.5170+03	6.1485+01	1.8468+02	2.0077+02	1.3948+02	1.3037+03
75	1.5159+03	6.2620+01	1.9200+02	2.0100+02	1.3928+02	1.3010+03
76	1.5151+03	6.2216+01	1.9086+02	2.0021+02	1.3750+02	1.3019+03
77	1.5164+03	6.1769+01	1.9085+02	2.0229+02	1.4062+02	1.3040+03
78	1.5165+03	6.1443+01	1.9135+02	2.0198+02	1.3989+02	1.3057+03
79	1.5181+03	6.2084+01	1.9192+02	2.0217+02	1.4008+02	1.3084+03
80	1.5151+03	6.2261+01	1.8966+02	2.0233+02	1.4025+02	1.3044+03

ENDURANCE TEST PERFORMANCE II

	328 FLOW	329 RTDNET	330 PST185	335 W FLOW	390 QHB	340 QWBCAL
41	2.1018+00	5.5970+03	1.7520+01	6.1485+00	5.0797+02	5.3953+02
42	2.0829+00	5.5980+03	1.7460+01	6.4004+00	5.3081+02	5.6363+02
43	2.0599+00	5.5980+03	1.7620+01	6.3394+00	5.3312+02	5.6607+02
44	2.0702+00	5.5980+03	1.8060+01	6.3622+00	5.3230+02	5.6520+02
45	2.0531+00	5.5970+03	1.7580+01	6.3546+00	5.2809+02	5.6077+02
46	2.0644+00	5.6000+03	1.7680+01	6.3394+00	5.2541+02	5.5794+02
47	2.0170+00	5.5950+03	1.7800+01	6.2859+00	5.2149+02	5.5380+02
48	2.0571+00	5.5970+03	1.8480+01	6.3088+00	5.3571+02	5.6881+02
49	2.0527+00	5.5980+03	1.8800+01	6.4080+00	5.3814+02	5.7137+02
50	2.0593+00	5.6000+03	1.7980+01	6.1791+00	5.1454+02	5.4646+02
51	2.0620+00	5.5980+03	1.8580+01	6.3546+00	5.4312+02	5.7662+02
52	2.0391+00	5.6000+03	1.7360+01	6.2630+00	5.3829+02	5.7153+02
53	2.0663+00	5.5970+03	1.6820+01	6.3851+00	5.4517+02	5.7879+02
54	2.0374+00	5.5970+03	1.7860+01	6.2630+00	5.3118+02	5.6403+02
55	2.0654+00	5.5960+03	1.5180+01	6.2478+00	5.3643+02	5.6956+02
56	2.0304+00	5.6000+03	1.7160+01	6.0416+00	5.1156+02	5.4332+02
57	2.0400+00	5.5940+03	1.7080+01	6.2859+00	5.3125+02	5.6410+02
58	2.0714+00	5.6020+03	1.7480+01	6.3394+00	5.2899+02	5.6171+02
59	2.0548+00	5.6040+03	1.6780+01	6.2096+00	5.2051+02	5.5276+02
60	2.0667+00	5.5980+03	1.8000+01	6.2325+00	5.2761+02	5.6026+02
61	2.0601+00	5.5990+03	1.7200+01	6.3851+00	5.4203+02	5.7548+02
62	2.0309+00	5.5990+03	1.7820+01	6.1562+00	5.1543+02	5.4739+02
63	2.0287+00	5.6050+03	1.7540+01	6.1256+00	5.1287+02	5.4469+02
64	2.1229+00	5.6030+03	1.7440+01	6.3088+00	5.3508+02	5.6814+02
65	2.0313+00	5.6040+03	1.8060+01	6.2020+00	5.3049+02	5.6329+02
66	2.0164+00	5.5980+03	1.8140+01	6.2783+00	5.4408+02	5.7764+02
67	2.0474+00	5.6030+03	1.7160+01	6.3394+00	5.4002+02	5.7336+02
68	2.0552+00	5.5990+03	1.8060+01	6.2554+00	5.3346+02	5.6643+02
69	2.0423+00	5.6000+03	1.7400+01	6.2859+00	5.3562+02	5.6871+02
70	2.0770+00	5.6060+03	1.8140+01	6.2020+00	5.2249+02	5.5485+02
71	2.0191+00	5.5950+03	1.6960+01	6.1180+00	5.2351+02	5.5592+02
72	2.0536+00	5.6010+03	1.8140+01	6.5681+00	5.3307+02	5.6602+02
73	2.0224+00	5.6000+03	1.7660+01	6.4766+00	5.2227+02	5.5462+02
74	2.0001+00	5.5990+03	1.8300+01	6.4614+00	5.2173+02	5.5405+02
75	2.0486+00	5.5980+03	1.7420+01	6.3927+00	5.4335+02	5.7687+02
76	2.0544+00	5.6000+03	1.8180+01	6.3088+00	5.3212+02	5.6502+02
77	2.0553+00	5.5960+03	1.7560+01	6.1943+00	5.2412+02	5.5657+02
78	2.1022+00	5.5990+03	1.7880+01	6.2936+00	5.3583+02	5.6894+02
79	2.0484+00	5.6020+03	1.7580+01	6.2859+00	5.3472+02	5.6776+02
80	2.0130+00	5.6030+03	1.8160+01	6.4080+00	5.3509+02	5.6815+02

ENDURANCE TEST PERFORMANCE II

	347 P8PSIA	351 P7PSIA	353 PSCAL	357 P1PSIA	373 X1	385 QNETC
41	5.7497+00	6.1962+00	6.8442+00	2.5031+01	9.9647-01	6.2727+02
42	5.8586+00	6.2534+00	6.8953+00	2.5121+01	9.9627-01	6.5128+02
43	5.8883+00	6.3059+00	6.9881+00	2.5337+01	9.9658-01	6.5373+02
44	5.8190+00	6.2296+00	6.9139+00	2.5088+01	9.9685-01	6.5248+02
45	5.7695+00	6.2868+00	7.0949+00	2.5088+01	9.9649-01	6.4957+02
46	5.9477+00	6.4443+00	7.2017+00	2.5149+01	9.9663-01	6.4657+02
47	5.8190+00	6.3155+00	7.2017+00	2.5154+01	9.9577-01	6.4236+02
48	5.7102+00	6.2343+00	7.1599+00	2.5422+01	9.9557-01	6.5636+02
49	5.5914+00	6.0673+00	6.9789+00	2.5149+01	9.9583-01	6.5826+02
50	5.6112+00	6.0769+00	6.8767+00	2.4914+01	9.9599-01	6.3459+02
51	5.6508+00	6.0960+00	6.8767+00	2.5130+01	9.9666-01	6.6449+02
52	5.7695+00	6.1675+00	6.9417+00	2.5328+01	9.9638-01	6.6075+02
53	5.8586+00	6.2248+00	6.9371+00	2.5299+01	9.9662-01	6.6812+02
54	6.0169+00	6.3632+00	7.0531+00	2.5314+01	9.9647-01	6.5224+02
55	6.0169+00	6.3298+00	7.1135+00	2.5285+01	9.9634-01	6.6234+02
56	5.7794+00	6.2057+00	7.0253+00	2.5059+01	9.9590-01	6.3346+02
57	5.7992+00	6.2582+00	7.1599+00	2.5027+01	9.9589-01	6.5383+02
58	5.8586+00	6.3298+00	7.1924+00	2.5116+01	9.9604-01	6.5094+02
59	5.5617+00	6.1103+00	7.0160+00	2.5078+01	9.9531-01	6.4232+02
60	5.5914+00	6.2057+00	7.1367+00	2.5234+01	9.9591-01	6.4811+02
61	5.7102+00	6.2725+00	7.0996+00	2.5121+01	9.9594-01	6.6380+02
62	5.7695+00	6.2439+00	7.0206+00	2.5083+01	9.9582-01	6.3520+02
63	5.8982+00	6.3632+00	6.9742+00	2.5069+01	9.9660-01	6.3273+02
64	5.8586+00	6.2964+00	7.0299+00	2.5163+01	9.9706-01	6.5684+02
65	5.7992+00	6.1771+00	6.9000+00	2.5187+01	9.9674-01	6.5030+02
66	5.9081+00	6.3107+00	7.0856+00	2.5252+01	9.9641-01	6.6413+02
67	5.7398+00	6.2725+00	7.1692+00	2.5163+01	9.9587-01	6.6140+02
68	5.8190+00	6.2630+00	7.0671+00	2.5149+01	9.9622-01	6.5372+02
69	5.9378+00	6.4061+00	7.2620+00	2.5267+01	9.9613-01	6.5747+02
70	5.7695+00	6.2439+00	7.0763+00	2.5097+01	9.9626-01	6.4255+02
71	5.6013+00	6.1341+00	7.0299+00	2.5196+01	9.9564-01	6.4488+02
72	5.5518+00	6.1151+00	7.0206+00	2.5050+01	9.9581-01	6.5347+02
73	5.6409+00	6.1198+00	6.8071+00	2.4951+01	9.9647-01	6.4232+02
74	5.8289+00	6.2916+00	6.9557+00	2.5257+01	9.9626-01	6.4089+02
75	5.7596+00	6.1485+00	6.8118+00	2.5139+01	9.9622-01	6.6419+02
76	5.8685+00	6.2487+00	6.8350+00	2.5031+01	9.9640-01	6.5022+02
77	5.8091+00	6.2105+00	6.9232+00	2.5229+01	9.9648-01	6.4443+02
78	5.8091+00	6.2773+00	7.0392+00	2.5201+01	9.9648-01	6.5656+02
79	5.9873+00	6.4538+00	7.2063+00	2.5417+01	9.9641-01	6.5525+02
80	5.7102+00	6.2105+00	7.0392+00	2.5064+01	9.9620-01	6.5573+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
41	6.3376+02	1.0000+00	3.1500+02	1.1036+05	2.0300+03	8.8200+02
42	6.3555+02	1.0000+00	3.1600+02	1.1036+05	2.2300+03	8.8400+02
43	6.3366+02	1.0000+00	3.1700+02	1.1046+05	3.0000+01	8.8600+02
44	6.3776+02	1.0000+00	3.1800+02	1.1046+05	2.3000+02	8.8800+02
45	6.3265+02	1.0000+00	3.1900+02	1.1046+05	4.3000+02	8.9000+02
46	6.2704+02	1.0000+00	3.2000+02	1.1046+05	6.3000+02	8.9200+02
47	6.2767+02	1.0000+00	3.2100+02	1.1046+05	8.3000+02	8.9400+02
48	6.3423+02	1.0000+00	3.2200+02	1.1046+05	1.0300+03	8.9600+02
49	6.3279+02	1.0000+00	3.2300+02	1.1046+05	1.2300+03	8.9800+02
50	6.3511+02	1.0000+00	3.2400+02	1.1046+05	1.4300+03	9.0000+02
51	6.3341+02	1.0000+00	3.2500+02	1.1046+05	1.6450+03	9.0225+02
52	6.3663+02	1.0000+00	3.2600+02	1.1046+05	1.8300+03	9.0400+02
53	6.3441+02	2.0000+00	3.2700+02	1.1046+05	2.0300+03	9.0600+02
54	6.3063+02	1.0000+00	3.2800+02	1.1046+05	2.2300+03	9.0800+02
55	6.3215+02	1.0000+00	3.2900+02	1.1056+05	3.0000+01	9.1000+02
56	6.2663+02	1.0000+00	3.3000+02	1.1056+05	2.3000+02	9.1200+02
57	6.2805+02	1.0000+00	3.3100+02	1.1056+05	4.3000+02	9.1400+02
58	6.3181+02	1.0000+00	3.3200+02	1.1056+05	6.3000+02	9.1600+02
59	6.3137+02	1.0000+00	3.3300+02	1.1056+05	8.3000+02	9.1800+02
60	6.2933+02	1.0000+00	3.3400+02	1.1056+05	1.0300+03	9.2000+02
61	6.2899+02	1.0000+00	3.3500+02	1.1056+05	1.2300+03	9.2200+02
62	6.2972+02	1.0000+00	3.3600+02	1.1056+05	1.4300+03	9.2400+02
63	6.3327+02	1.0000+00	3.3700+02	1.1056+05	1.6300+03	9.2600+02
64	6.3276+02	1.0000+00	3.3800+02	1.1056+05	1.8300+03	9.2800+02
65	6.3557+02	1.0000+00	3.3900+02	1.1056+05	2.0300+03	9.3000+02
66	6.3468+02	1.0000+00	3.4000+02	1.1056+05	2.2300+03	9.3200+02
67	6.2920+02	1.0000+00	3.4100+02	1.1066+05	3.0000+01	9.3400+02
68	6.3008+02	1.0000+00	3.4200+02	1.1066+05	2.3000+02	9.3600+02
69	6.2873+02	1.0000+00	3.4300+02	1.1066+05	4.3000+02	9.3800+02
70	6.3260+02	1.0000+00	3.4400+02	1.1066+05	6.3000+02	9.4000+02
71	6.3231+02	1.0000+00	3.4500+02	1.1066+05	8.3000+02	9.4200+02
72	6.2738+02	1.0000+00	3.4600+02	1.1066+05	1.0300+03	9.4400+02
73	6.3490+02	1.0000+00	3.4700+02	1.1066+05	1.2300+03	9.4600+02
74	6.3206+02	1.0000+00	3.4800+02	1.1066+05	1.4300+03	9.4800+02
75	6.3301+02	1.0000+00	3.4900+02	1.1066+05	1.6300+03	9.5000+02
76	6.3830+02	1.0000+00	3.5000+02	1.1066+05	1.8300+03	9.5200+02
77	6.2930+02	1.0000+00	3.5100+02	1.1066+05	2.0300+03	9.5400+02
78	6.3170+02	1.0000+00	3.5200+02	1.1066+05	2.2300+03	9.5600+02
79	6.2927+02	1.0000+00	3.5300+02	1.1076+05	3.0000+01	9.5800+02
80	6.3185+02	1.0000+00	3.5400+02	1.1076+05	2.3000+02	9.6000+02

TABLE III

ENDURANCE TEST PERFORMANCE (Continued)

November 7 to November 8

ENDURANCE TEST PERFORMANCE II

	104	105	106	113	120	126
	READ	DATE	HOUR	RPM	QWB 88	QST 87
81	3.5500+02	1.1076+05	4.3000+02	1.8182+04	5.4846+02	8.2105+00
82	3.5600+02	1.1076+05	6.3000+02	1.8333+04	5.4782+02	8.3459+00
83	3.5700+02	1.1076+05	8.3000+02	1.8338+04	5.4754+02	7.2130+00
84	3.5700+02	1.1076+05	8.3000+02	1.8287+04	5.5329+02	6.9023+00
85	3.5800+02	1.1076+05	1.0300+03	1.8256+04	5.5505+02	8.9574+00
86	3.5900+02	1.1076+05	1.2300+03	1.8279+04	5.5126+02	8.8772+00
87	3.6000+02	1.1076+05	1.4300+03	1.8236+04	5.5729+02	9.3584+00
88	3.6100+02	1.1076+05	1.6300+03	1.8246+04	5.6052+02	9.0627+00
89	3.6200+02	1.1076+05	1.8300+03	1.8278+04	5.5605+02	7.5338+00
90	3.6300+02	1.1076+05	2.0300+03	1.8305+04	5.6346+02	1.3388+01
91	3.6400+02	1.1076+05	2.2300+03	1.8255+04	5.5190+02	8.3509+00
92	3.6500+02	1.1086+05	3.0000+01	1.8245+04	5.6016+02	8.8371+00
93	3.6600+02	1.1086+05	2.3000+02	1.8217+04	5.6258+02	7.4937+00
94	3.6700+02	1.1086+05	4.3000+02	1.8243+04	5.5760+02	8.0351+00
95	3.6800+02	1.1086+05	6.3000+02	1.8274+04	5.4228+02	7.4536+00
96	3.6900+02	1.1086+05	8.3000+02	1.8248+04	5.5473+02	7.2130+00
97	3.7000+02	1.1086+05	1.0300+03	1.8270+04	5.5405+02	8.5464+00
98	3.7000+02	1.1086+05	1.0300+03	1.8276+04	5.4898+02	8.5714+00
99	3.7100+02	1.1086+05	1.2300+03	1.8170+04	5.6664+02	8.1654+00
100	3.7200+02	1.1086+05	1.4300+03	1.8214+04	5.5429+02	8.4561+00
101	3.7200+02	1.1086+05	1.4300+03	1.8194+04	5.5329+02	8.9123+00
102	3.7400+02	1.1086+05	1.6300+03	1.8284+04	5.5158+02	7.7895+00
103	3.7500+02	1.1086+05	1.8300+03	1.8241+04	5.5329+02	7.8546+00

ENDURANCE TEST PERFORMANCE II

	128	130	164	166	170	174
	Q TARE	Q NET	T1-1	T1-2	T1-5	T1-AVG
81	9.6365+01	6.3662+02	1.5074+03	1.5050+03	1.5239+03	1.5062+03
82	9.7168+01	6.3665+02	1.5087+03	1.5067+03	1.5251+03	1.5077+03
83	9.7191+01	6.3752+02	1.5077+03	1.5052+03	1.5241+03	1.5065+03
84	9.6924+01	6.4331+02	1.5076+03	1.5056+03	1.5241+03	1.5066+03
85	9.6757+01	6.4285+02	1.5101+03	1.5076+03	1.5265+03	1.5088+03
86	9.6879+01	6.3926+02	1.5078+03	1.5053+03	1.5242+03	1.5065+03
87	9.6653+01	6.4458+02	1.5072+03	1.5052+03	1.5241+03	1.5062+03
88	9.6704+01	6.4816+02	1.5078+03	1.5057+03	1.5237+03	1.5067+03
89	9.6873+01	6.4539+02	1.5066+03	1.5041+03	1.5230+03	1.5054+03
90	9.7019+01	6.4709+02	1.5089+03	1.5064+03	1.5249+03	1.5077+03
91	9.6751+01	6.4030+02	1.5083+03	1.5058+03	1.5243+03	1.5071+03
92	9.6698+01	6.4802+02	1.5085+03	1.5060+03	1.5250+03	1.5073+03
93	9.6550+01	6.5163+02	1.5092+03	1.5067+03	1.5252+03	1.5079+03
94	9.6691+01	6.4626+02	1.5072+03	1.5048+03	1.5237+03	1.5060+03
95	9.6855+01	6.3168+02	1.5063+03	1.5038+03	1.5227+03	1.5050+03
96	9.6714+01	6.4423+02	1.5083+03	1.5058+03	1.5248+03	1.5071+03
97	9.6834+01	6.4234+02	1.5065+03	1.5036+03	1.5224+03	1.5050+03
98	9.6863+01	6.3727+02	1.5065+03	1.5041+03	1.5230+03	1.5053+03
99	9.6301+01	6.5478+02	1.5071+03	1.5051+03	1.5231+03	1.5061+03
100	9.6537+01	6.4237+02	1.5054+03	1.5029+03	1.5217+03	1.5042+03
101	9.6428+01	6.4081+02	1.5038+03	1.5014+03	1.5201+03	1.5026+03
102	9.6908+01	6.4070+02	1.5055+03	1.5031+03	1.5214+03	1.5043+03
103	9.6677+01	6.4212+02	1.5075+03	1.5050+03	1.5240+03	1.5063+03

ENDURANCE TEST PERFORMANCE II

	196	197	198	199	202	223
	T7-47	T7-48	T7-49	T7-50	T7-AVG	T8-52
81	1.2260+03	1.2496+03	1.2704+03	1.2496+03	1.2496+03	1.2576+03
82	1.2284+03	1.2525+03	1.2728+03	1.2524+03	1.2525+03	1.2607+03
83	1.2225+03	1.2462+03	1.2672+03	1.2460+03	1.2461+03	1.2540+03
84	1.2229+03	1.2466+03	1.2671+03	1.2459+03	1.2463+03	1.2543+03
85	1.2272+03	1.2512+03	1.2716+03	1.2511+03	1.2512+03	1.2589+03
86	1.2247+03	1.2486+03	1.2691+03	1.2483+03	1.2484+03	1.2561+03
87	1.2229+03	1.2467+03	1.2676+03	1.2465+03	1.2466+03	1.2544+03
88	1.2222+03	1.2458+03	1.2668+03	1.2456+03	1.2457+03	1.2536+03
89	1.2227+03	1.2469+03	1.2679+03	1.2467+03	1.2468+03	1.2546+03
90	1.2232+03	1.2474+03	1.2684+03	1.2468+03	1.2471+03	1.2555+03
91	1.2248+03	1.2487+03	1.2691+03	1.2483+03	1.2485+03	1.2567+03
92	1.2216+03	1.2457+03	1.2667+03	1.2455+03	1.2456+03	1.2535+03
93	1.2218+03	1.2464+03	1.2673+03	1.2457+03	1.2460+03	1.2545+03
94	1.2204+03	1.2445+03	1.2654+03	1.2442+03	1.2444+03	1.2527+03
95	1.2220+03	1.2461+03	1.2666+03	1.2459+03	1.2460+03	1.2538+03
96	1.2227+03	1.2469+03	1.2678+03	1.2462+03	1.2465+03	1.2554+03
97	1.2180+03	1.2421+03	1.2633+03	1.2417+03	1.2419+03	1.2503+03
98	1.2181+03	1.2422+03	1.2633+03	1.2417+03	1.2420+03	1.2504+03
99	1.2168+03	1.2411+03	1.2622+03	1.2402+03	1.2406+03	1.2493+03
100	1.2163+03	1.2406+03	1.2618+03	1.2402+03	1.2404+03	1.2488+03
101	1.2156+03	1.2399+03	1.2606+03	1.2395+03	1.2397+03	1.2481+03
102	1.2169+03	1.2408+03	1.2623+03	1.2403+03	1.2405+03	1.2494+03
103	1.2203+03	1.2444+03	1.2657+03	1.2440+03	1.2442+03	1.2526+03

ENDURANCE TEST PERFORMANCE II

	225	227	229	255	256	257
	T8-54	T8-56	T8-AVG	T3-182	T3-183	T3-167
81	1.2674+03	1.2655+03	1.2635+03	1.5100+03	1.5101+03	1.5000+03
82	1.2705+03	1.2686+03	1.2666+03	1.5112+03	1.5113+03	1.5012+03
83	1.2643+03	1.2619+03	1.2601+03	1.5102+03	1.5098+03	1.5002+03
84	1.2642+03	1.2622+03	1.2603+03	1.5101+03	1.5102+03	1.5001+03
85	1.2691+03	1.2672+03	1.2650+03	1.5124+03	1.5121+03	1.5025+03
86	1.2665+03	1.2645+03	1.2624+03	1.5103+03	1.5099+03	1.5003+03
87	1.2647+03	1.2623+03	1.2605+03	1.5102+03	1.5098+03	1.5002+03
88	1.2639+03	1.2620+03	1.2598+03	1.5103+03	1.5099+03	1.5002+03
89	1.2649+03	1.2629+03	1.2608+03	1.5091+03	1.5087+03	1.4991+03
90	1.2654+03	1.2630+03	1.2613+03	1.5113+03	1.5114+03	1.5014+03
91	1.2665+03	1.2646+03	1.2626+03	1.5108+03	1.5109+03	1.5008+03
92	1.2638+03	1.2618+03	1.2597+03	1.5110+03	1.5111+03	1.5010+03
93	1.2644+03	1.2624+03	1.2604+03	1.5116+03	1.5117+03	1.5016+03
94	1.2626+03	1.2607+03	1.2587+03	1.5098+03	1.5098+03	1.4998+03
95	1.2642+03	1.2618+03	1.2599+03	1.5087+03	1.5084+03	1.4988+03
96	1.2653+03	1.2629+03	1.2612+03	1.5108+03	1.5109+03	1.5012+03
97	1.2606+03	1.2582+03	1.2564+03	1.5089+03	1.5086+03	1.4990+03
98	1.2607+03	1.2583+03	1.2565+03	1.5090+03	1.5091+03	1.4991+03
99	1.2592+03	1.2572+03	1.2552+03	1.5091+03	1.5097+03	1.4996+03
100	1.2587+03	1.2563+03	1.2546+03	1.5077+03	1.5078+03	1.4984+03
101	1.2580+03	1.2556+03	1.2539+03	1.5061+03	1.5061+03	1.4964+03
102	1.2597+03	1.2573+03	1.2555+03	1.5079+03	1.5080+03	1.4985+03
103	1.2629+03	1.2605+03	1.2586+03	1.5100+03	1.5101+03	1.5004+03

ENDURANCE TEST PERFORMANCE II

	258	259	262	275	276	280
	T4 28	T4 29	T3 AVG	T5 186	T5 187	T5-AVG
81	1.4460+03	1.4351+03	1.5067+03	1.3977+03	1.3941+03	1.3959+03
82	1.4472+03	1.4359+03	1.5079+03	1.3993+03	1.3958+03	1.3976+03
83	1.4466+03	1.4354+03	1.5067+03	1.3980+03	1.3944+03	1.3962+03
84	1.4466+03	1.4353+03	1.5068+03	1.3974+03	1.3938+03	1.3956+03
85	1.4484+03	1.4376+03	1.5090+03	1.3997+03	1.3963+03	1.3980+03
86	1.4459+03	1.4354+03	1.5068+03	1.3976+03	1.3940+03	1.3958+03
87	1.4462+03	1.4354+03	1.5067+03	1.3975+03	1.3939+03	1.3957+03
88	1.4467+03	1.4354+03	1.5068+03	1.3976+03	1.3940+03	1.3958+03
89	1.4447+03	1.4339+03	1.5056+03	1.3964+03	1.3928+03	1.3946+03
90	1.4469+03	1.4356+03	1.5080+03	1.3983+03	1.3951+03	1.3967+03
91	1.4460+03	1.4359+03	1.5075+03	1.3986+03	1.3950+03	1.3968+03
92	1.4470+03	1.4361+03	1.5077+03	1.3983+03	1.3947+03	1.3965+03
93	1.4476+03	1.4363+03	1.5083+03	1.3985+03	1.3949+03	1.3967+03
94	1.4458+03	1.4345+03	1.5065+03	1.3975+03	1.3939+03	1.3957+03
95	1.4453+03	1.4340+03	1.5053+03	1.3965+03	1.3938+03	1.3951+03
96	1.4464+03	1.4355+03	1.5076+03	1.3986+03	1.3954+03	1.3970+03
97	1.4455+03	1.4342+03	1.5055+03	1.3967+03	1.3931+03	1.3949+03
98	1.4455+03	1.4343+03	1.5057+03	1.3963+03	1.3932+03	1.3947+03
99	1.4448+03	1.4344+03	1.5062+03	1.3969+03	1.3933+03	1.3951+03
100	1.4434+03	1.4331+03	1.5046+03	1.3955+03	1.3924+03	1.3940+03
101	1.4422+03	1.4316+03	1.5029+03	1.3938+03	1.3905+03	1.3922+03
102	1.4449+03	1.4333+03	1.5048+03	1.3957+03	1.3926+03	1.3941+03
103	1.4461+03	1.4352+03	1.5069+03	1.3973+03	1.3937+03	1.3955+03

ENDURANCE TEST PERFORMANCE II

	285	298	301	304	307	313
	TB0166	TWB116	TWB117	TL0102	TLI103	TCA122
81	1.5148+03	6.1955+01	1.8937+02	2.0163+02	1.3996+02	1.3050+03
82	1.5160+03	6.1855+01	1.9053+02	2.0278+02	1.4070+02	1.3061+03
83	1.5146+03	6.1308+01	1.8745+02	2.0144+02	1.3884+02	1.3010+03
84	1.5145+03	6.1227+01	1.8737+02	2.0136+02	1.3921+02	1.3009+03
85	1.5174+03	6.1838+01	1.8624+02	2.0068+02	1.3847+02	1.3040+03
86	1.5151+03	6.1844+01	1.8668+02	2.0111+02	1.3893+02	1.3015+03
87	1.5150+03	6.1308+01	1.8659+02	2.0227+02	1.4019+02	1.3019+03
88	1.5155+03	6.1362+01	1.9128+02	2.0190+02	1.4024+02	1.3019+03
89	1.5139+03	5.9747+01	1.8636+02	2.0247+02	1.3997+02	1.3033+03
90	1.5162+03	6.1158+01	1.9149+02	2.0338+02	1.4046+02	1.3038+03
91	1.5157+03	6.1476+01	1.8976+02	2.0326+02	1.4076+02	1.3045+03
92	1.5159+03	6.2120+01	1.9038+02	2.0345+02	1.4095+02	1.3022+03
93	1.5161+03	6.1874+01	1.9055+02	2.0364+02	1.4030+02	1.3032+03
94	1.5146+03	6.1308+01	1.8917+02	2.0394+02	1.4060+02	1.3019+03
95	1.5131+03	6.1628+01	1.8561+02	2.0132+02	1.3826+02	1.3001+03
96	1.5157+03	6.1482+01	1.9139+02	2.0327+02	1.3947+02	1.3037+03
97	1.5129+03	6.1829+01	1.8881+02	2.0151+02	1.3892+02	1.2976+03
98	1.5134+03	6.1910+01	1.8889+02	2.0159+02	1.3900+02	1.2976+03
99	1.5135+03	6.2488+01	1.8988+02	2.0505+02	1.4255+02	1.3000+03
100	1.5117+03	6.2456+01	1.8515+02	2.0418+02	1.4251+02	1.2982+03
101	1.5100+03	6.1689+01	1.8407+02	2.0388+02	1.4179+02	1.2979+03
102	1.5123+03	6.2605+01	1.8741+02	2.0349+02	1.4141+02	1.2993+03
103	1.5144+03	6.2462+01	1.8986+02	2.0460+02	1.4127+02	1.3021+03

ENDURANCE TEST PERFORMANCE II

	328	329	330	335	390	340
	FLOW	RTDNET	PST185	W FLOW	QHB	QWBCAL
81	2.0654+00	5.6030+03	1.7320+01	6.2401+00	5.2306+02	5.5545+02
82	1.9878+00	5.6040+03	1.7700+01	5.9728+00	5.0146+02	5.3265+02
83	2.0611+00	5.5980+03	1.7180+01	6.4690+00	5.3226+02	5.6516+02
84	2.0444+00	5.5950+03	1.6760+01	6.5376+00	5.3940+02	5.7270+02
85	2.0741+00	5.6000+03	1.7700+01	6.5147+00	5.3102+02	5.6385+02
86	2.0540+00	5.6000+03	1.7260+01	6.4842+00	5.2969+02	5.6245+02
87	2.0607+00	5.5960+03	1.7320+01	6.5223+00	5.3595+02	5.6906+02
88	2.0495+00	5.5940+03	1.7580+01	6.1943+00	5.2758+02	5.6022+02
89	2.0575+00	5.5800+03	1.6820+01	6.5147+00	5.3981+02	5.7314+02
90	2.0360+00	5.5950+03	2.1600+01	6.4385+00	5.4835+02	5.8214+02
91	2.0367+00	5.5960+03	1.8260+01	6.1791+00	5.1941+02	5.5160+02
92	2.0442+00	5.6010+03	1.7800+01	6.4385+00	5.4139+02	5.7480+02
93	2.0322+00	5.6010+03	1.6800+01	6.3012+00	5.3241+02	5.6532+02
94	2.0449+00	5.5980+03	1.7480+01	6.3927+00	5.3593+02	5.6903+02
95	2.0046+00	5.5990+03	1.7340+01	6.4690+00	5.2496+02	5.5746+02
96	2.0151+00	5.6020+03	1.7900+01	6.1638+00	5.2487+02	5.5736+02
97	2.0231+00	5.6000+03	1.7800+01	6.3394+00	5.2703+02	5.5964+02
98	2.0213+00	5.6000+03	1.7960+01	6.4842+00	5.3890+02	5.7217+02
99	2.0362+00	5.6000+03	1.8400+01	6.3241+00	5.3038+02	5.6318+02
100	1.9145+00	5.6020+03	1.8580+01	6.4156+00	5.1695+02	5.4900+02
101	2.0447+00	5.5970+03	1.8820+01	6.5681+00	5.2849+02	5.6118+02
102	1.9825+00	5.5980+03	1.8140+01	6.3927+00	5.2197+02	5.5430+02
103	2.2204+00	5.6030+03	1.8420+01	6.4842+00	5.4170+02	5.7513+02

ENDURANCE TEST PERFORMANCE II

	347	351	353	357	373	385
	P8PSIA	P7PSIA	PSCAL	P1PSIA	X1	QNETC
81	5.7794+00	6.2296+00	7.0485+00	2.5078+01	9.9630-01	6.4361+02
82	5.7695+00	6.3059+00	7.2063+00	2.5121+01	9.9595-01	6.2147+02
83	5.5419+00	6.1007+00	7.0763+00	2.5121+01	9.9515-01	6.5514+02
84	5.5419+00	6.1055+00	7.0903+00	2.5149+01	9.9506-01	6.6272+02
85	5.7497+00	6.2677+00	7.1228+00	2.5323+01	9.9564-01	6.5165+02
86	5.7794+00	6.2009+00	6.9603+00	2.5111+01	9.9576-01	6.5045+02
87	5.8388+00	6.1723+00	6.8257+00	2.5191+01	9.9635-01	6.5636+02
88	5.8388+00	6.1866+00	6.8164+00	2.5191+01	9.9640-01	6.4787+02
89	5.9180+00	6.2725+00	6.9278+00	2.5267+01	9.9627-01	6.6248+02
90	5.8190+00	6.2487+00	7.0206+00	2.5299+01	9.9601-01	6.6578+02
91	5.8388+00	6.2916+00	7.0671+00	2.5205+01	9.9605-01	6.4000+02
92	5.6904+00	6.1532+00	6.9696+00	2.5267+01	9.9582-01	6.6266+02
93	5.7992+00	6.1866+00	6.9649+00	2.5314+01	9.9608-01	6.5437+02
94	5.7299+00	6.1723+00	6.9649+00	2.5177+01	9.9579-01	6.5769+02
95	5.7299+00	6.2200+00	7.0624+00	2.5074+01	9.9498-01	6.4686+02
96	5.6904+00	6.2343+00	7.1367+00	2.5257+01	9.9553-01	6.4686+02
97	5.5320+00	6.0912+00	6.9696+00	2.5092+01	9.9471-01	6.4793+02
98	5.5221+00	6.0864+00	6.9696+00	2.5116+01	9.9472-01	6.6047+02
99	5.5320+00	6.0483+00	6.8442+00	2.5177+01	9.9582-01	6.5131+02
100	5.5221+00	6.0149+00	6.8210+00	2.5017+01	9.9552-01	6.3708+02
101	5.4924+00	6.0053+00	6.8118+00	2.4824+01	9.9557-01	6.4870+02
102	5.5617+00	6.0864+00	6.9789+00	2.5050+01	9.9513-01	6.4342+02
103	5.6013+00	6.1675+00	7.1088+00	2.5257+01	9.9523-01	6.6395+02

ENDURANCE TEST PERFORMANCE II

	388	389	550	551	552	556
	Q COR	SCAN	RDG	DATE	TIME	NO HR
81	6.2806+02	1.0000+00	3.5500+02	1.1076+05	4.3000+02	9.6200+02
82	6.3287+02	1.0000+00	3.5600+02	1.1076+05	6.3000+02	9.6400+02
83	6.2802+02	1.0000+00	3.5700+02	1.1076+05	8.3000+02	9.6600+02
84	6.3164+02	2.0000+00	3.5700+02	1.1076+05	8.3000+02	9.6600+02
85	6.2933+02	1.0000+00	3.5800+02	1.1076+05	1.0300+03	9.6800+02
86	6.3083+02	1.0000+00	3.5900+02	1.1076+05	1.2300+03	9.7000+02
87	6.3114+02	1.0000+00	3.6000+02	1.1076+05	1.4300+03	9.7200+02
88	6.3346+02	1.0000+00	3.6100+02	1.1076+05	1.6300+03	9.7400+02
89	6.3226+02	1.0000+00	3.6200+02	1.1076+05	1.8300+03	9.7600+02
90	6.3195+02	1.0000+00	3.6300+02	1.1076+05	2.0300+03	9.7800+02
91	6.2841+02	1.0000+00	3.6400+02	1.1076+05	2.2300+03	9.8000+02
92	6.3072+02	1.0000+00	3.6500+02	1.1086+05	3.0000+01	9.8200+02
93	6.3214+02	1.0000+00	3.6600+02	1.1086+05	2.3000+02	9.8400+02
94	6.3107+02	1.0000+00	3.6700+02	1.1086+05	4.3000+02	9.8600+02
95	6.2294+02	1.0000+00	3.6800+02	1.1086+05	6.3000+02	9.8800+02
96	6.2858+02	1.0000+00	3.6900+02	1.1086+05	8.3000+02	9.9000+02
97	6.2825+02	1.0000+00	3.7000+02	1.1086+05	1.0300+03	9.9200+02
98	6.2264+02	2.0000+00	3.7000+02	1.1086+05	1.0300+03	9.9200+02
99	6.3316+02	1.0000+00	3.7100+02	1.1086+05	1.2300+03	9.9400+02
100	6.2784+02	1.0000+00	3.7200+02	1.1086+05	1.4300+03	9.9600+02
101	6.3137+02	2.0000+00	3.7200+02	1.1086+05	1.4300+03	9.9600+02
102	6.2728+02	1.0000+00	3.7400+02	1.1086+05	1.6300+03	9.9800+02
103	6.2450+02	1.0000+00	3.7500+02	1.1086+05	1.8300+03	10.0000+02

TABLE IV

TENSILE PROPERTIES OF TZC SPECIMENS AFTER EXPOSURE IN A LIQUID POTASSIUM-CARBON MIXTURE FOR 100 HOURS AT 1400°F

Test Temp - °F	Ultimate Strength - psi	0.2% Yield Strength - psi	Elong. - %	R.A. - %
150	72,600	72,600	0	0
500	62,200	62,200	0	1
650	70,900	63,400	0	1
1200	69,200	65,500	13	52

Note: Tensile tests were performed in a vacuum of 1×10^{-6} torr at a crosshead rate of 0.005-inch per minute to 0.6 percent load-time deviation and then at a rate of 0.05-inch per minute to failure.

TABLE V

WEIGHT CHANGE AND CHEMICAL ANALYSIS EVALUATION OF REFRACTORY METAL PROBE SPECIMENS AFTER 254 HOURS OF TURBINE ENDURANCE RUN ENDING IN SEPTEMBER, 1965

Specimen No.	Material	Original Wt. -Gr.	Final Wt.-Gr.	Wt. Change - Gr.	Location*	C	Chemical Analysis - ppm O	N	H
Probe I Located At Station 1 (1520°F):									
I-1	TZC	9.7607	9.7611	+ 0.0004	C O N T I N U E D	O N	T E S T		
I-2	TZM	9.6369	9.6371	+ 0.0002	"	"	"		
I-3	F-48	9.1933	9.1550	- 0.0383	"	"	"		
I-4	TZC	9.6353	9.6355	+ 0.0002	Surface	980	(This specimen used		
						1060	for bend test.)		
					Core	1460			
						1800			
						1400			
I-5	TZM	9.9288	9.9290	+ 0.0002	Surface	150	30	5	3
						70			
					Core	340	46	5	2
						230			
I-6	F-48	9.2441	9.170	- 0.0741	Surface	550	172	278	7
						470			
					Core	240	28	21	6
						350			
Probe II Located In Condenser (1260°F):									
II-1	TZC	9.7246	9.7234	- 0.0012	Surface	1280	(This specimen used		
						1300	for bend test.)		
					Core	1460			
						1480			
II-2	TZM	9.8626	9.8621	- 0.0005	Surface	220	31	12	3
						210			
					Core	270	39	5	2
						170			
II-3	F-48	9.3720	9.2860	- 0.0860	Surface	440	77	93	6
						260			
					Core	230	30	5	5
						170			

TABLE V (Continued)

Specimen No.	Material	Original Wt. -Gr.	Final Wt.-Gr.	Wt. Change - Gr.	Location*	Chemical Analysis - ppm C	O	N	H
II-4	TZC	9.6495	9.6490	- 0.0005	Surface	1170	(This specimen used for bend test.)		
						1260**			
						2850**			
						1180**			
						4730**			
					Core	1450			
						1400			
II-5	TZM	9.7889	9.7884	- 0.0005	Surface	320	31	37	2
						280			
					Core	250	42	4	2
						250			
II-6	F-48	9.1358	9.0275	- 0.1083	Surface	490	65	111	5
						530			
					Core	270	42	24	4
						370			
Blank Specimens									
	TZC					1470	5	1	1
						1760			
						1490			
	TZM					200	12	4	<1
	F-48					270	34	70	1

*Surface analyses were performed on specimens machined from the test rings to leave the original surface to a depth of 0.030-inch. Core analyses were made on material from the test rings.

**High carbon analyses for the surface of specimen II-4 may have resulted from the retention of zyglo inspection fluid in cracks which formed during deformation tests.

TABLE VI COMPRESSION LOADED RING TESTS FOR EVALUATION OF TZC DUCTILITY AFTER 254 HOURS OF THE TURBINE ENDURANCE RUN

Specimen Number	Ring Thickness - Inch	Ring Length - Inch	Complete Ring Test					"C" Ring Test			
			Test Temp. - °F	Load - lbs	Defl'n. - Inch	Estimated Local Strain - %	Failure Location	Test Temp. - °F	Load - lbs	Deflection - Inch	Bend Ductility
Turbine Specimens:											
I-4 (Station 1, 1520°F)	0.044	0.374	650	258	0.018	-0.1	30°-OD; 0,150, 180°-ID	650	91	0.154	1T, 120°
II-1 (Condenser, 1260°F)	0.047	0.347	650	270	0.028	-0.1	320°-OD	650	89	0.183	1T, 120°
II-4 (Condenser, 1260°F)	0.044	0.349	650	215	0.019	-0.4	0,180°-ID	500	103	0.164	1T, 120°
Control Specimens:											
A (As-Machined)	0.043	0.357	500	198	0.018	-0.9	80°-OD; 10°-ID				
B (Polished)	0.040	0.347	500	105	0.018	-0.1	0°-ID				
C (Polished)	0.037	0.355	650	141	0.021	+0.5	90°-OD	650	35	-0.031	Brittle Crack
D (Polished)	0.042	0.382	650	126	0.009	--	0°-ID				

TABLE VII

DETERMINATION OF OXYGEN AND CARBON IN POTASSIUM

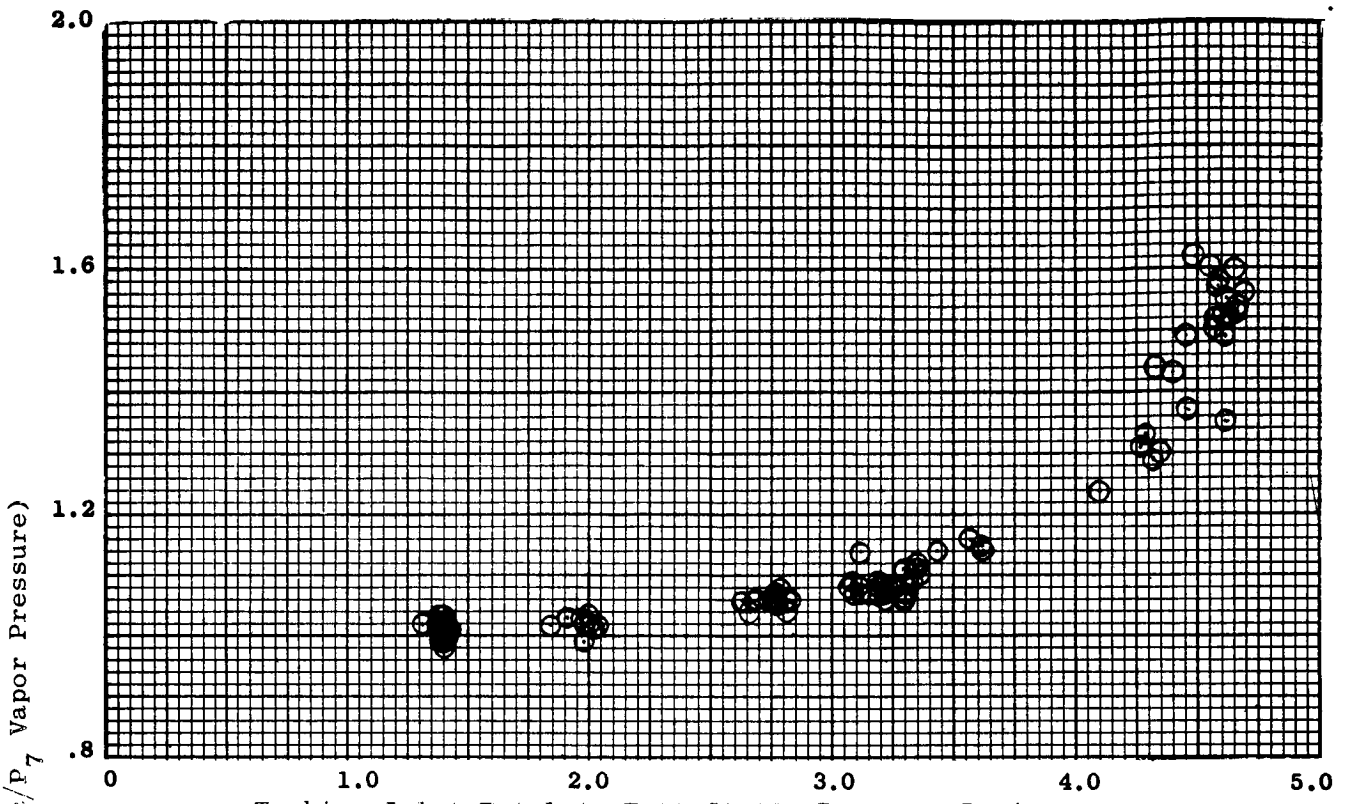
	Sampling Data					Analytical Data		
							ppm Carbon	
C & P Anal. Serv. No.	Date	Time Hours	Temp. °F	Hours on Vapor	ppm O As K_2O	Elemental	Carbide	Carbonate
225	9-13-65	1245	350	0*	27			
226	9-13-65	2000	"	2	69	18	<0.5	180
227	9-13-65	2300	"	5.5	14			
228	9-14-65	0400	310	10	12			
229	9-14-65	1930	365	25.5	9			
230	9-15-65	1230	400	42.5	8			
231	9-15-65	1945	350	49.75	17			
232	9-17-65	2230	370	100.5	11	23	<0.5	13
233	9-20-65	0100	275	150	9			
234	9-22-65	0200	335	200	11			
235	9-24-65	0300	370	249	11	20	<0.5	7
		SHUTDOWN						
236**	9-28-65	1500	400		13			
238	10-8-65	1300	300	0*	9			
239	10-8-65	1600	360	2	6			
240	10-8-65	1900	350	5	19			
241	10-8-65	2400	335	10	4			
242	10-9-65	1500	355	25	7			
243	10-10-65	1600	250	50	6			
244	10-12-65	1800	250	100	4			
246	10-14-65	2000	350	150	4			
247	10-16-65	2200	350	200	7			
248	10-18-65	2400	250	250	9			
249	10-21-65	0200	340	300	5			
250	10-23-65	0400	250	350	6			
251	10-25-65	0600	-	400	5			
252	10-27-65	0800	380	450	8			
253	10-29-65	1000	400	500	8			
254	10-31-65	1200	400	550	9			
256	11-2-65	1400	380	600	5			
259	11-4-65	1600	350	650	6			
260	11-6-65	1800	350	700	43			
261	11-8-65	1640	400	746.5	11			
263	11-10-65	2150	400	799.5	9			

*0 hours indicate that the sample was removed from the loop just prior to initiating vapor flow through the turbine.

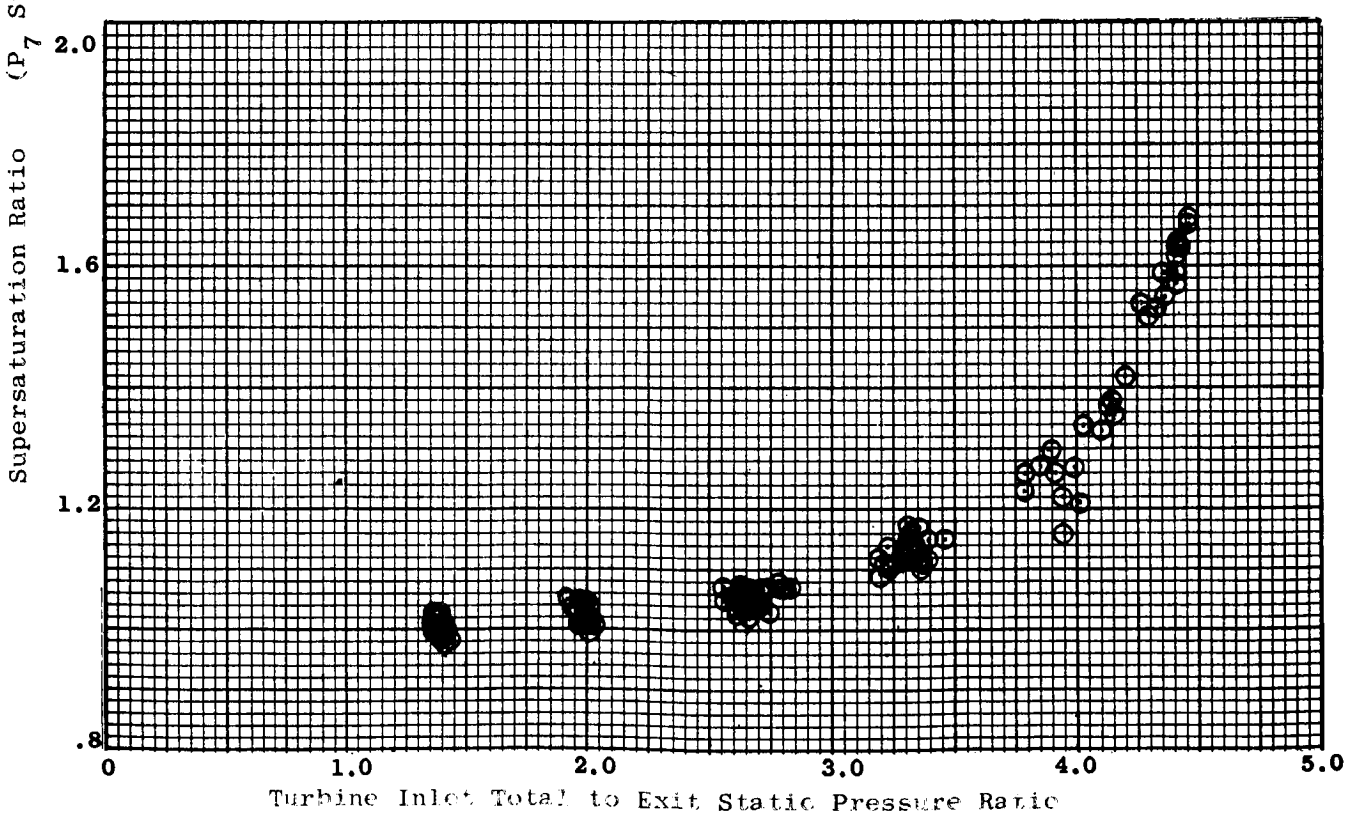
**Sample taken from dump tank after shutdown.

Program-Two Stage Potassium Turbine	Contract Number NAS 5-1143															
Program Event	1964				1965											
	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Initial Performance Testing																
Facility and Turbine Repair																
Performance Testing, Final																
Inspection of Turbine and Facility Prepare for Endurance Test																
Endurance Test																
Turbine Teardown and Inspection																
Data Evaluation																
Final Report																

Figure 1. Program Schedule



(b) Inlet Temperature, 1450°F



(a) Inlet Temperature, 1550°F

Figure 2. Supersaturation Ratio at Station 7.

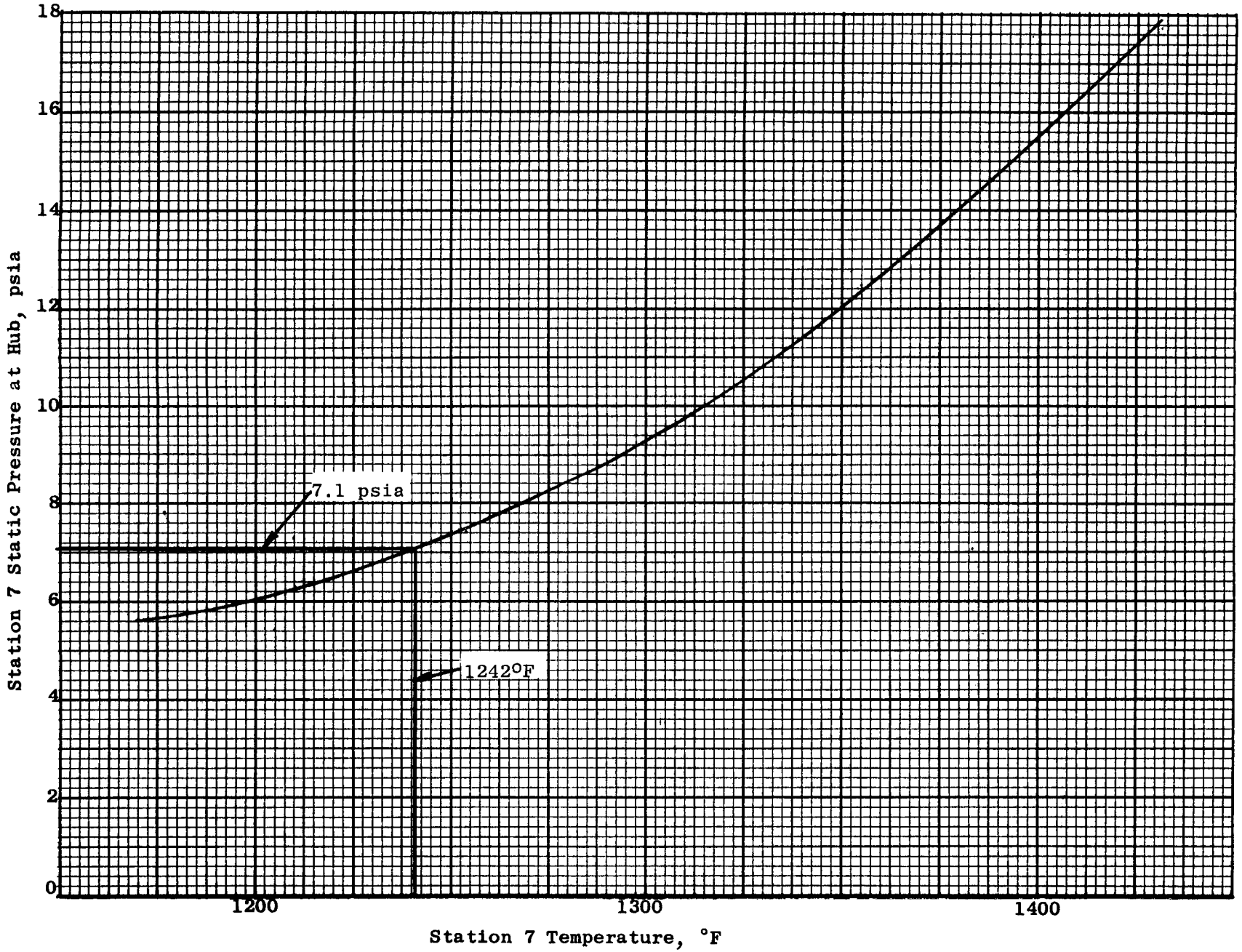


Figure 3. Correlation of Exit Temperature and Pressure For Turbine Operation at 1500°F.

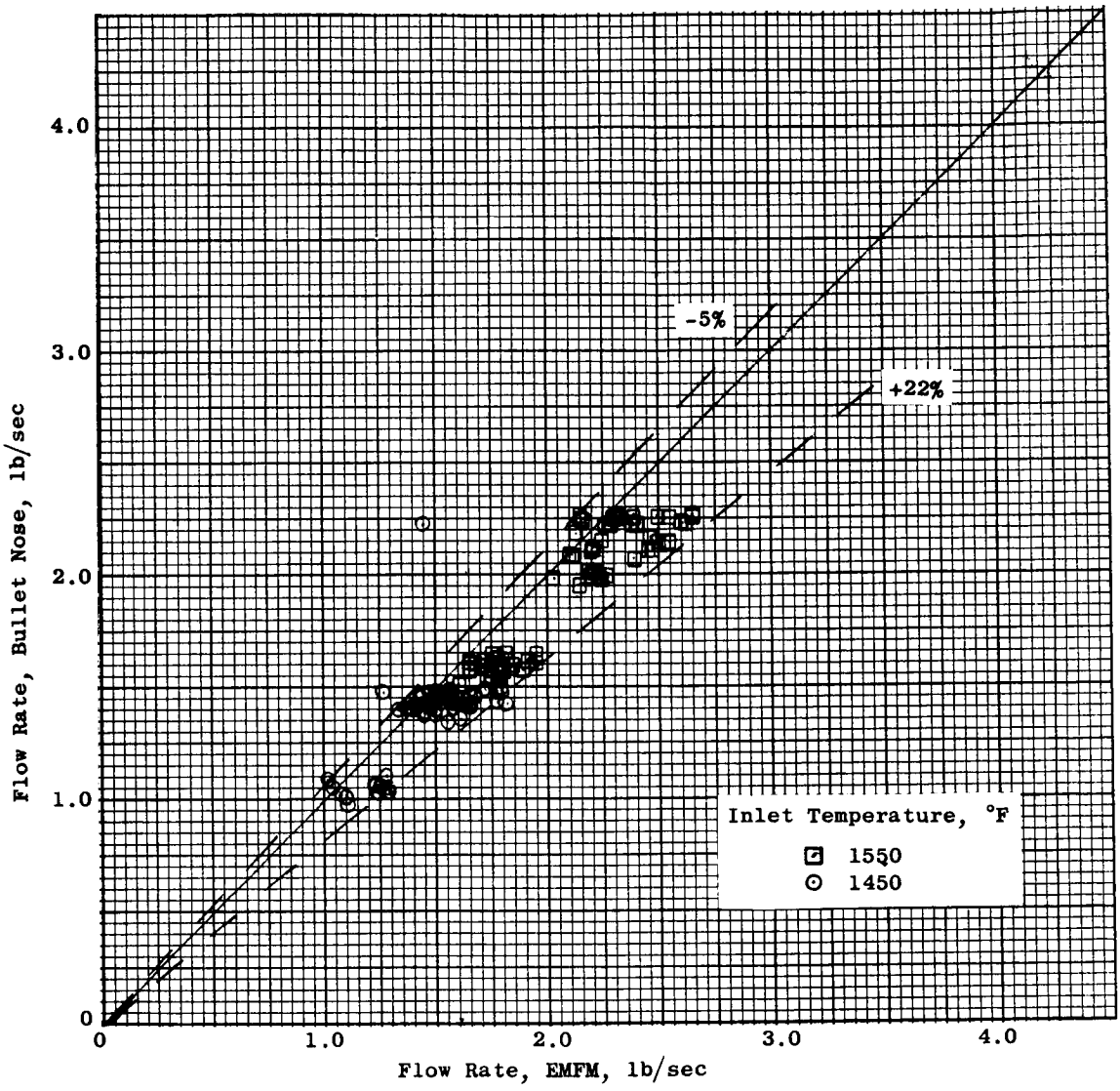


Figure 4. Comparison of Potassium Flow Rates from the EM Flow Meter and the Bullet Nose Annulus.

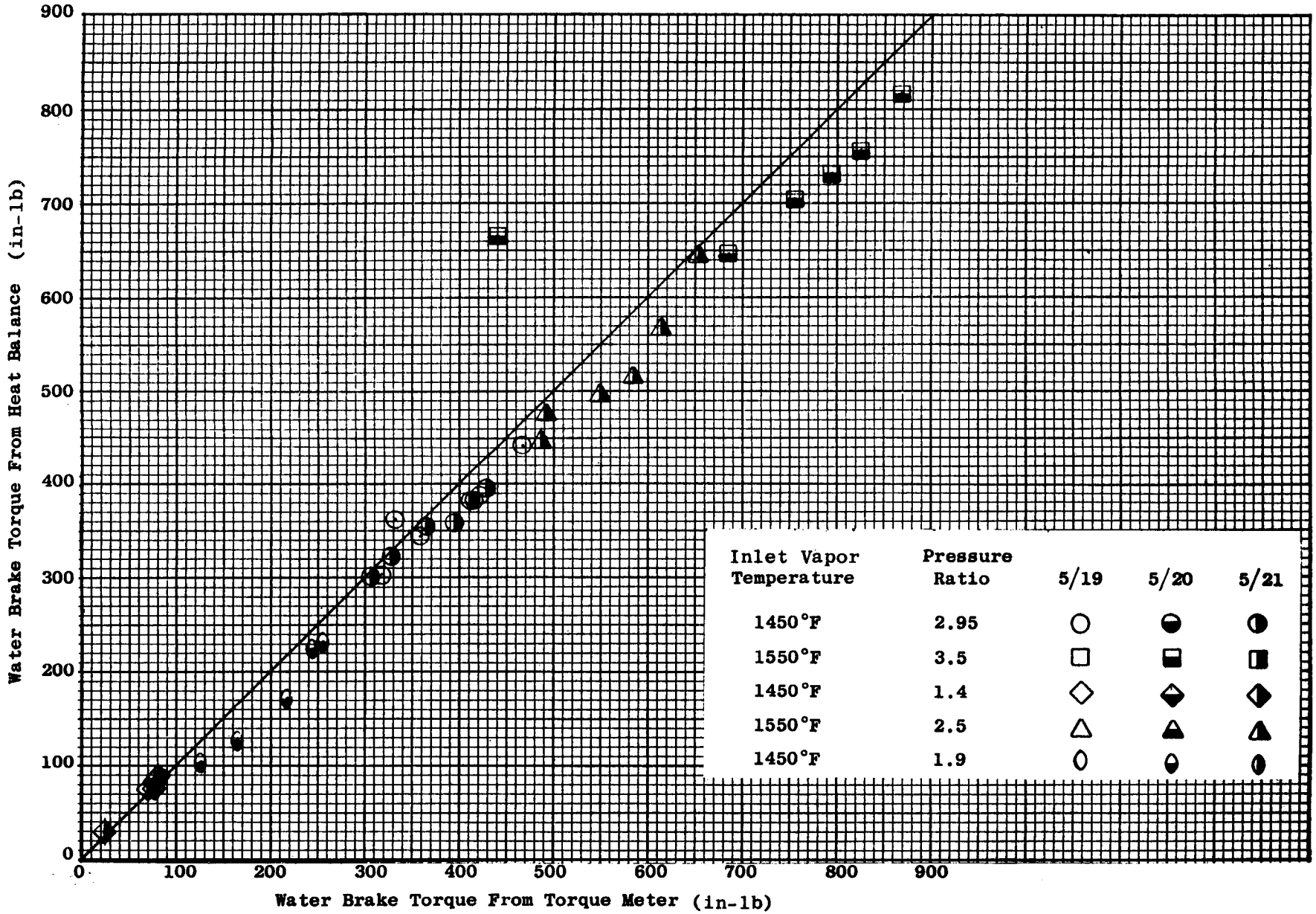


Figure 5. Comparison of Heat-Balance Torque and Torque Meter Readings.

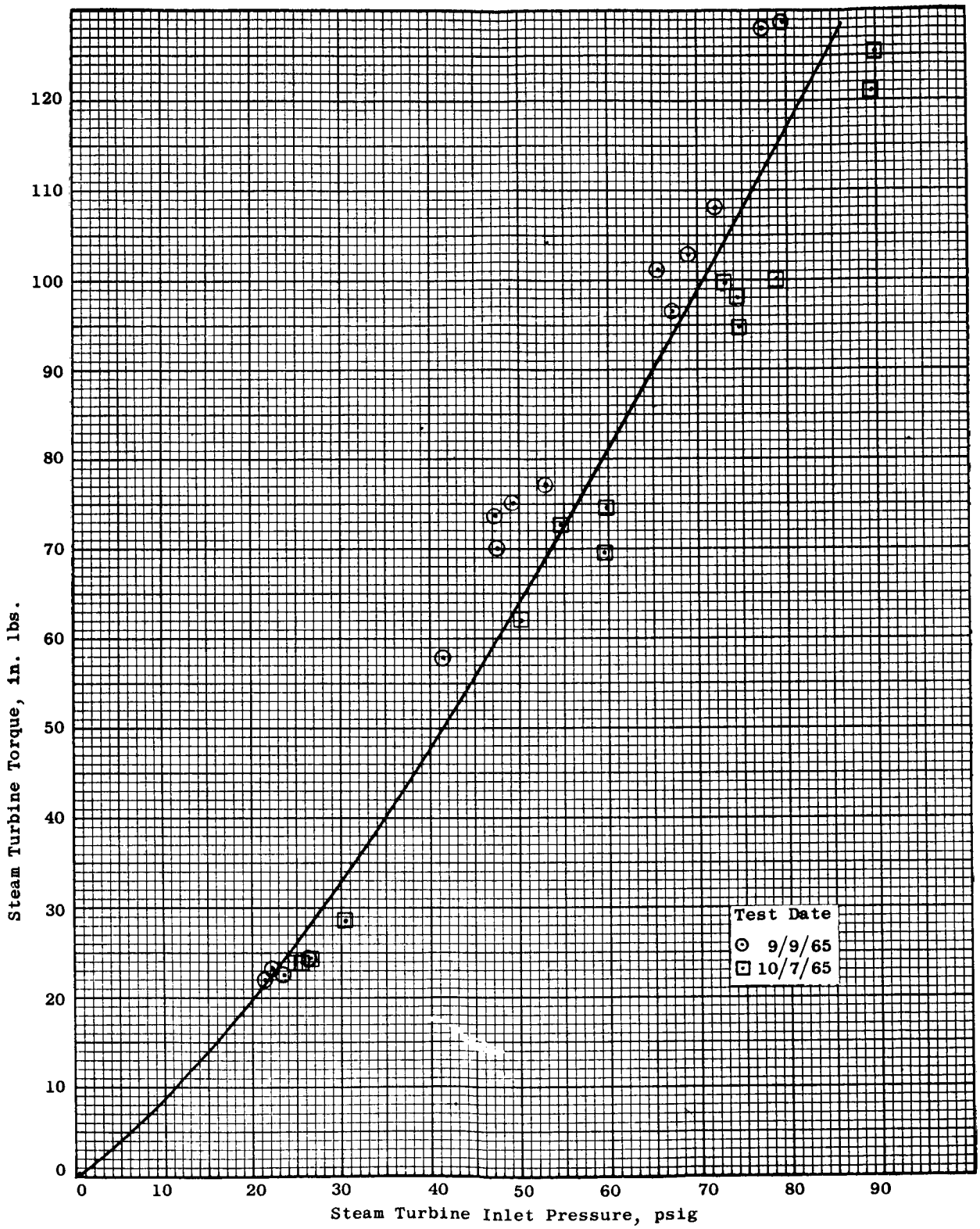


Figure 6. Variation of the Steam Turbine Torque with Steam Inlet Pressure.

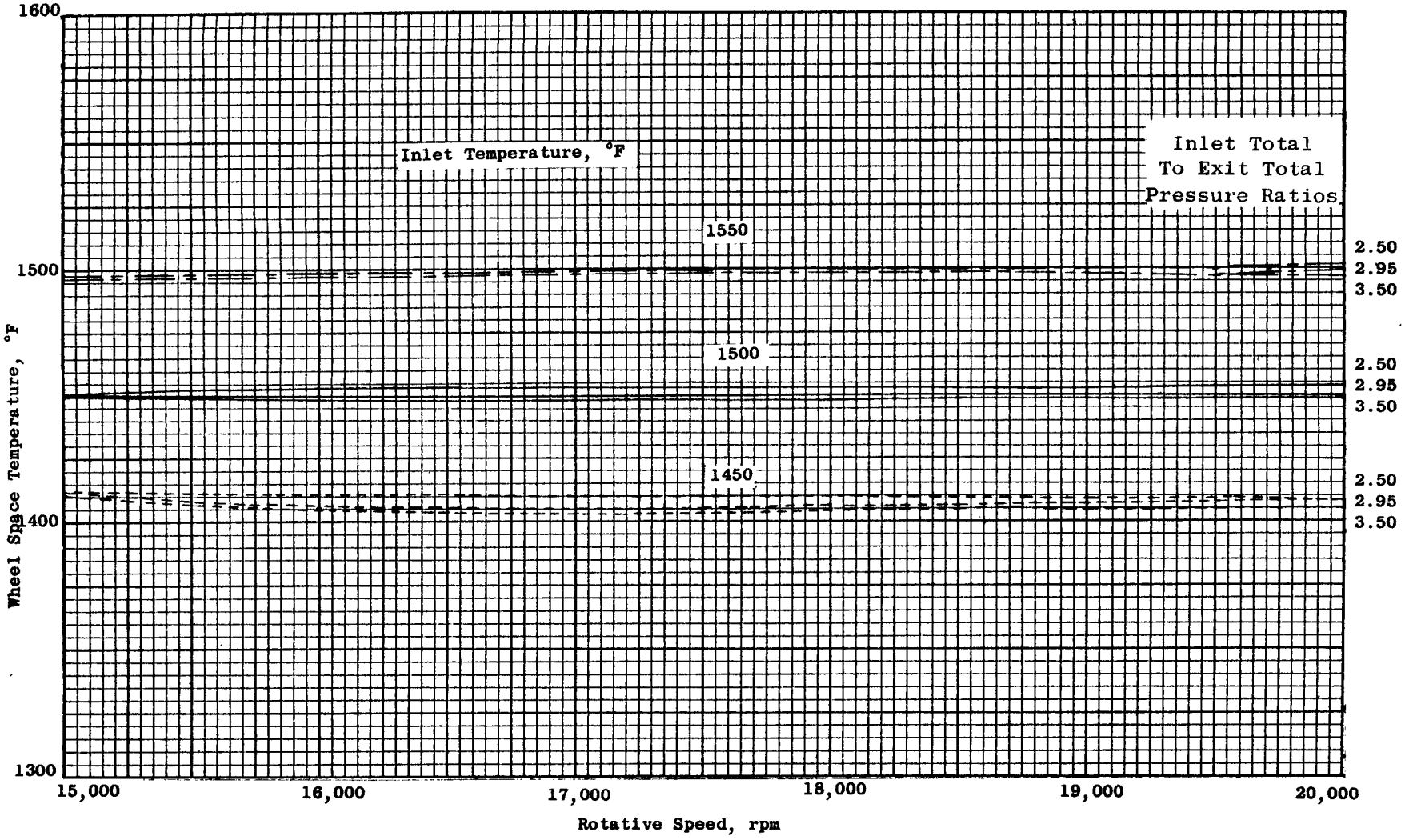


Figure 7a. Variation of Wheel-Space Temperature for Stage One With Rotative Speed and Turbine Pressure Ratio.

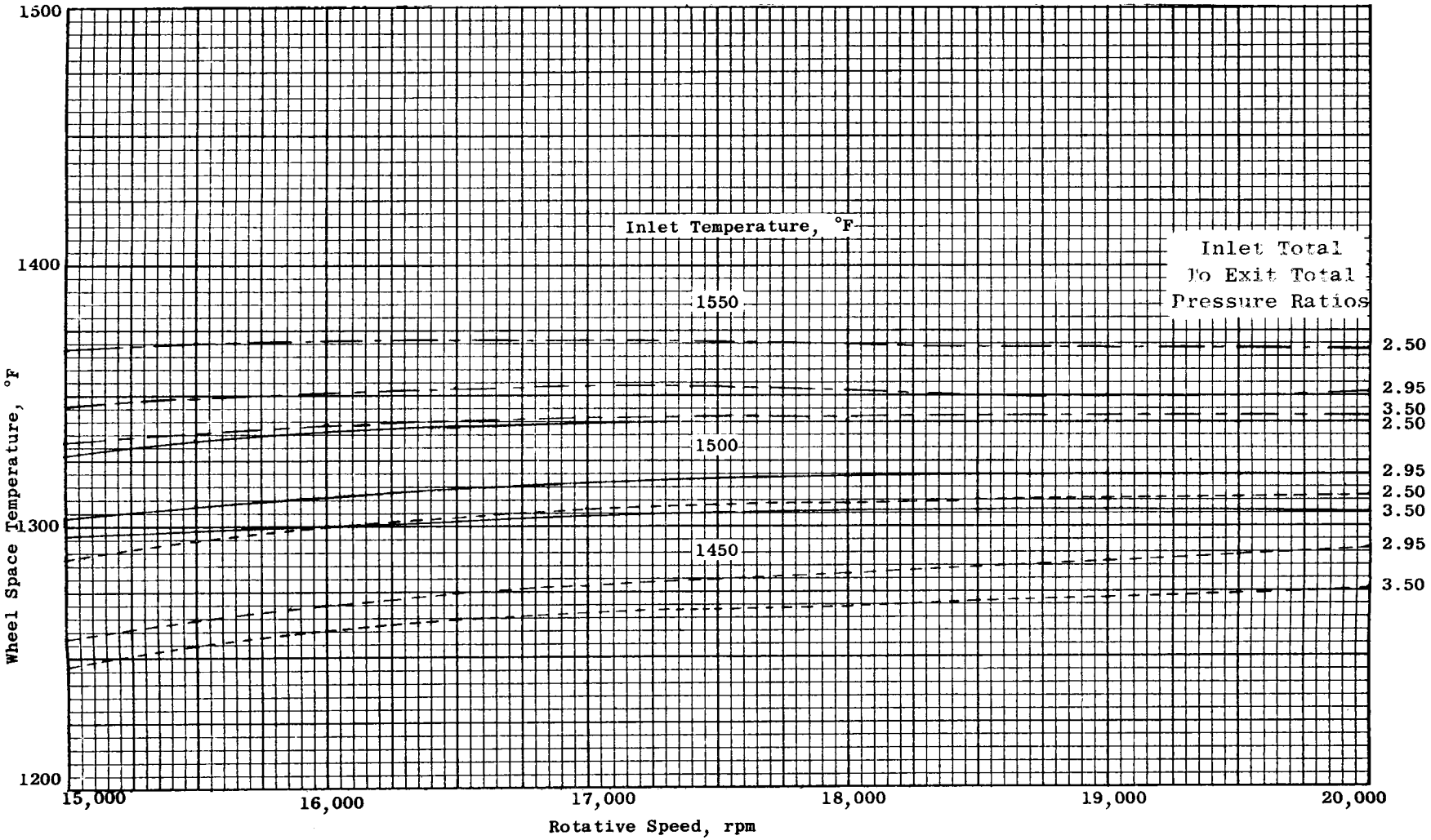


Figure 7b. Variation of Wheel-Space Temperature for Stage Two With Rotative Speed and Turbine Pressure Ratio.

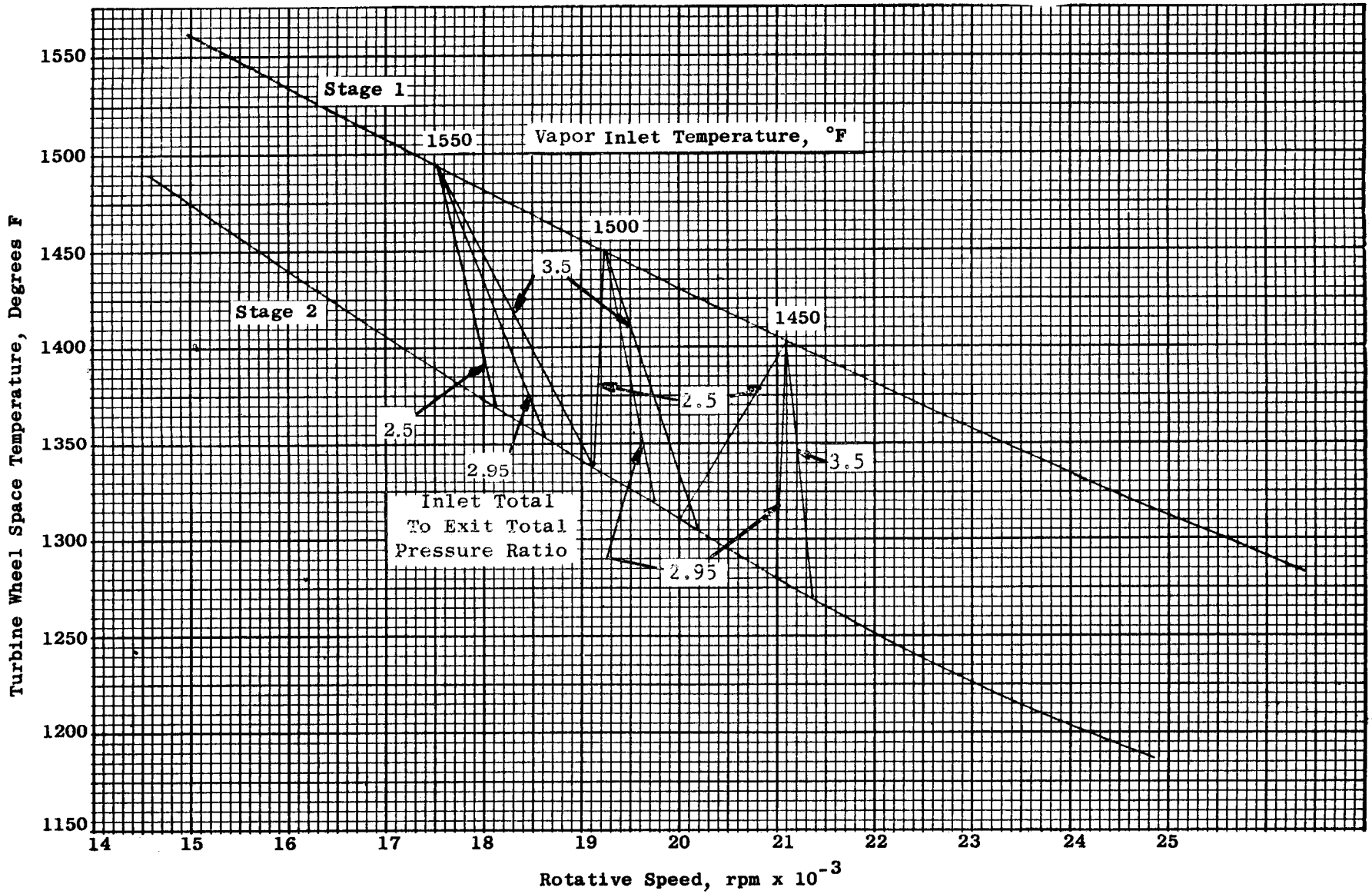


Figure 8. Allowable Turbine Operating Speeds for 2000 Hour Endurance Test.

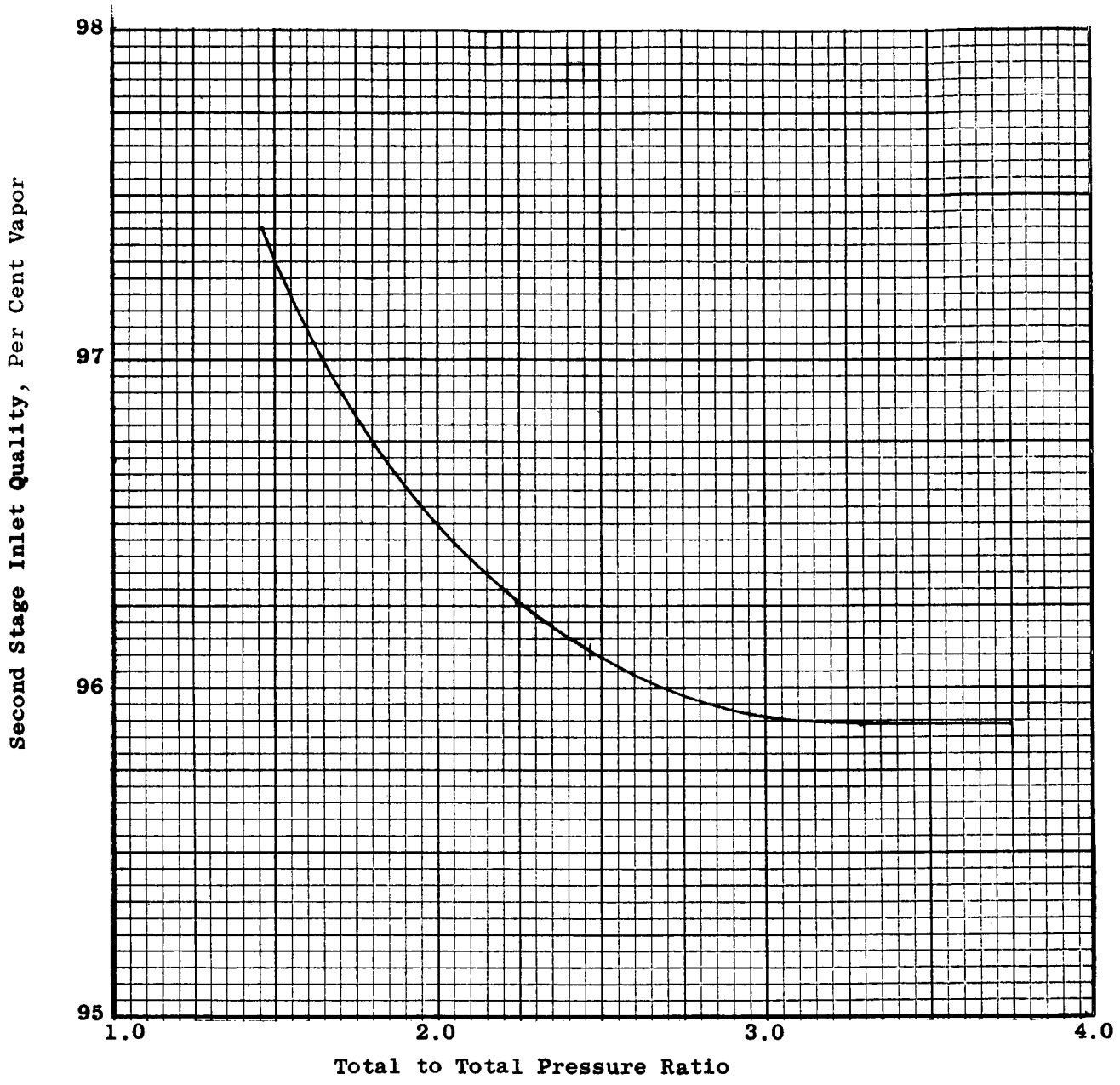


Figure 9. Variation of Second Stage Calculated Inlet Quality With Total to Total Pressure Ratio. Inlet Temperature, 1500°F; Speed, 18,250 rpm; Turbine Inlet Quality, 99 Per Cent.

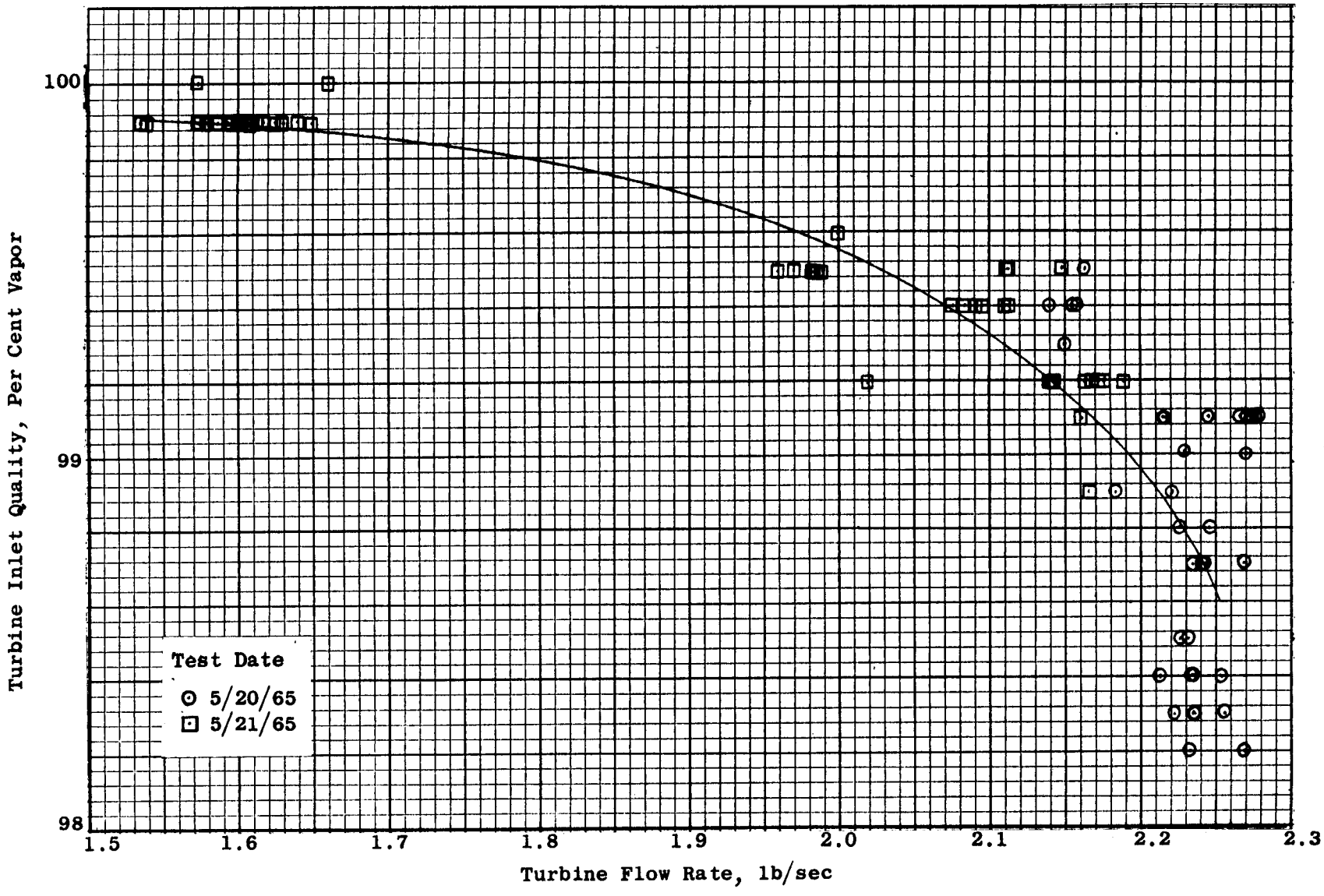


Figure 10. Variation in Turbine Inlet Quality With Flow Rate, Inlet Temperature, 1550°F.

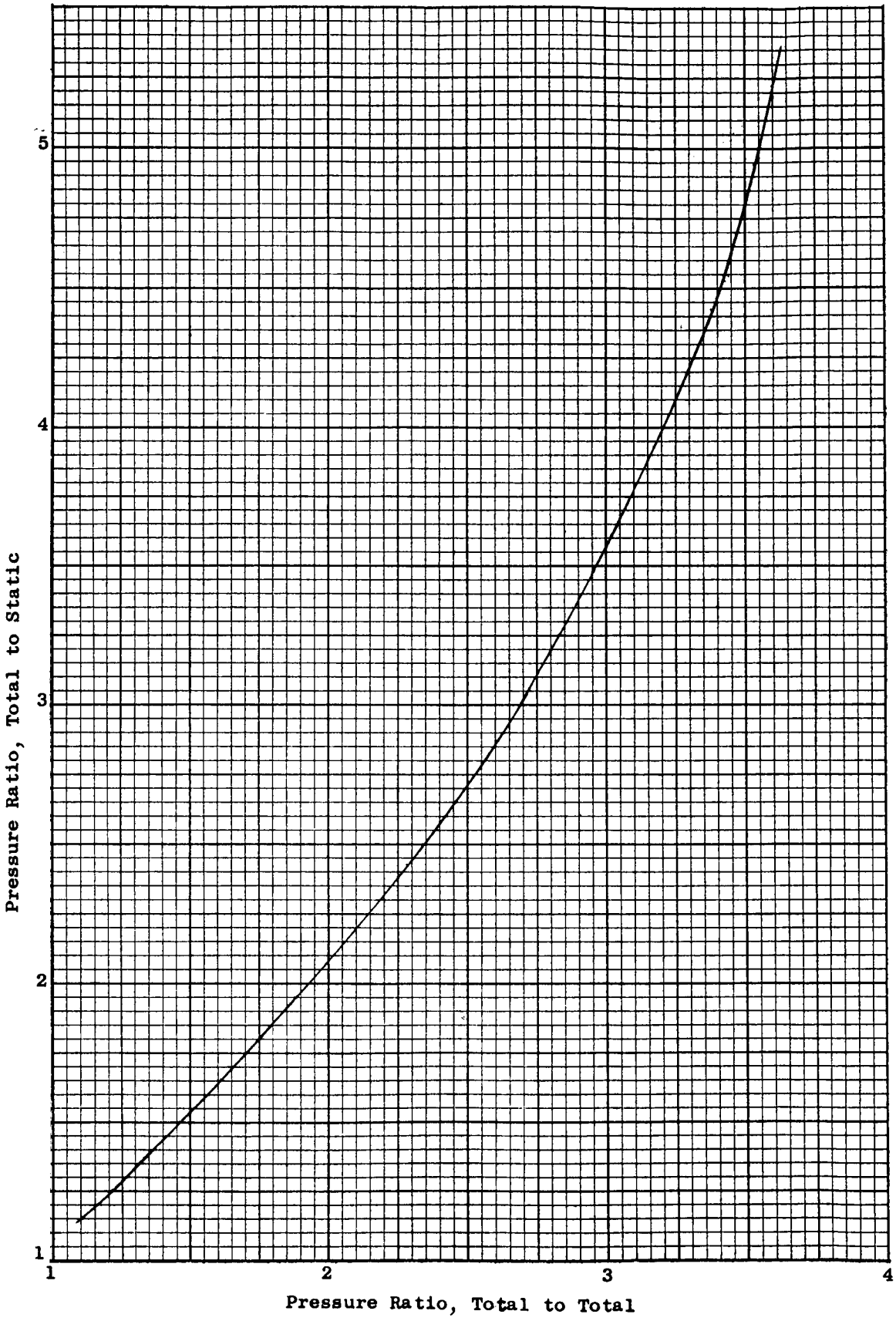


Figure 11. Calculated Variation of Total to Static Pressure Ratio Across the Turbine With Total to Total Pressure Ratio. Inlet Temperature, 1500°F, Speed, 18,250 RPM.

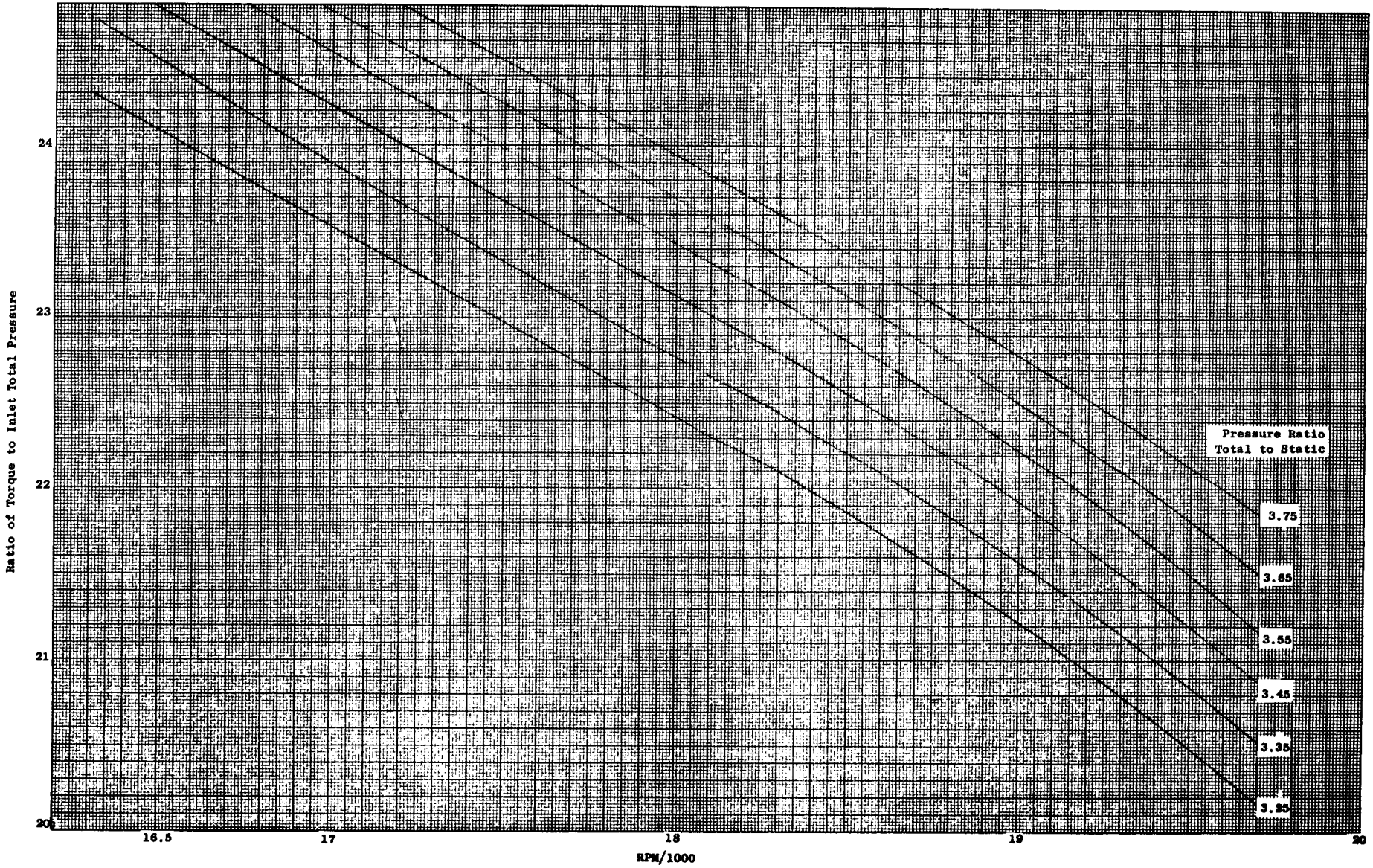
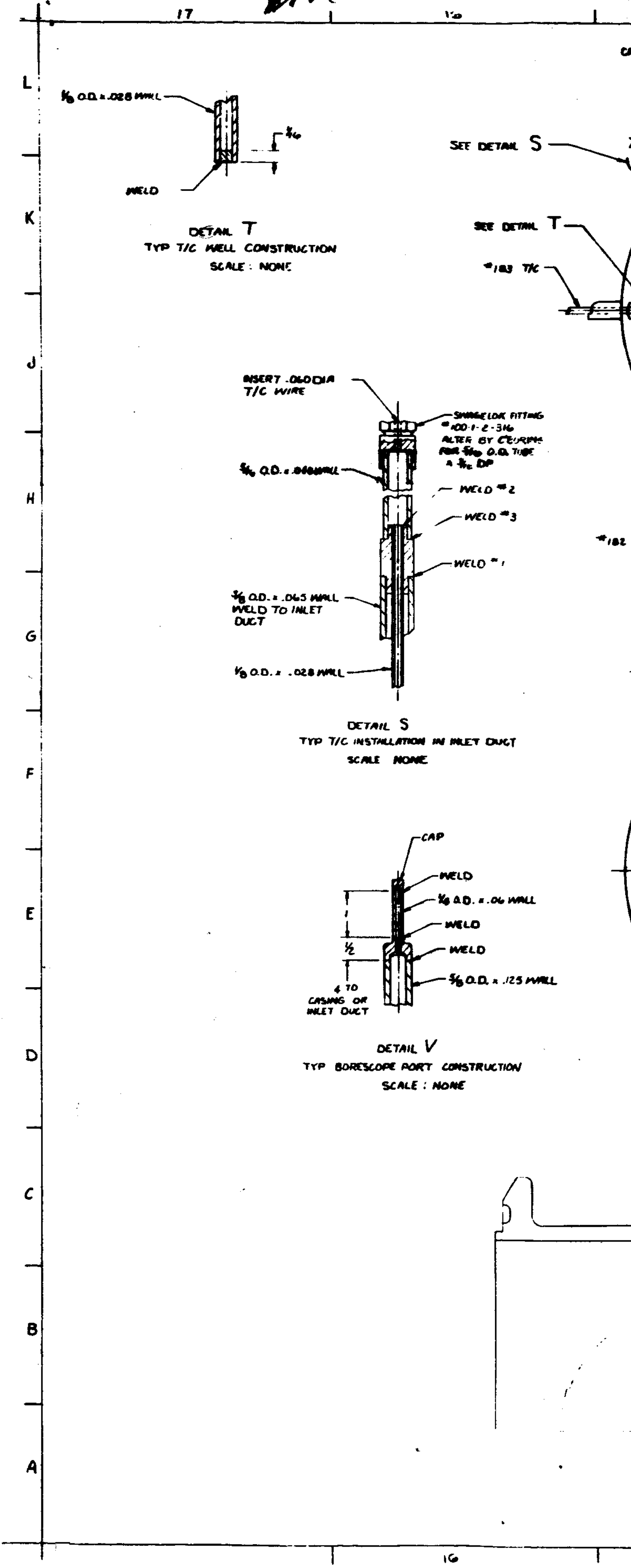
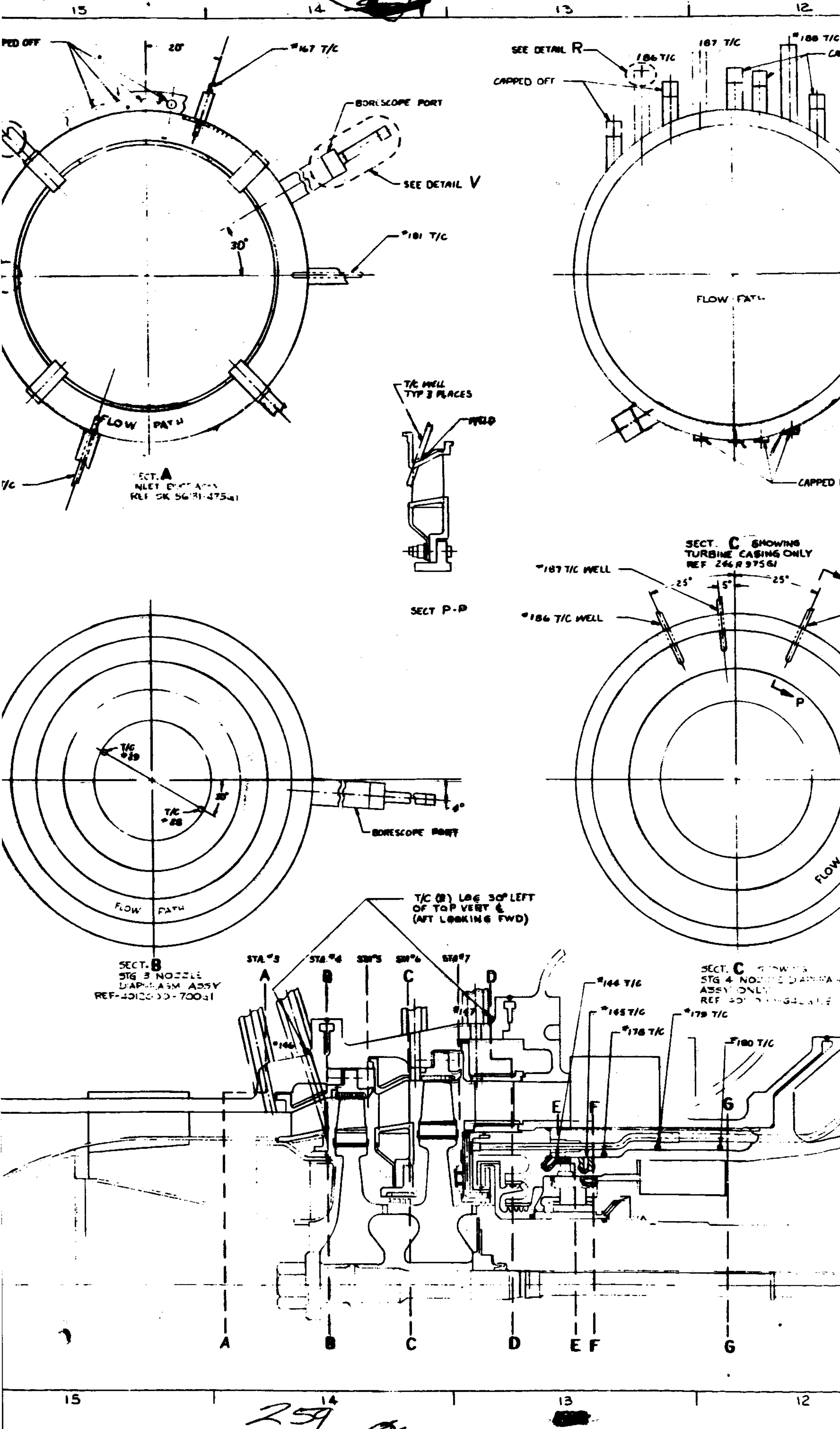


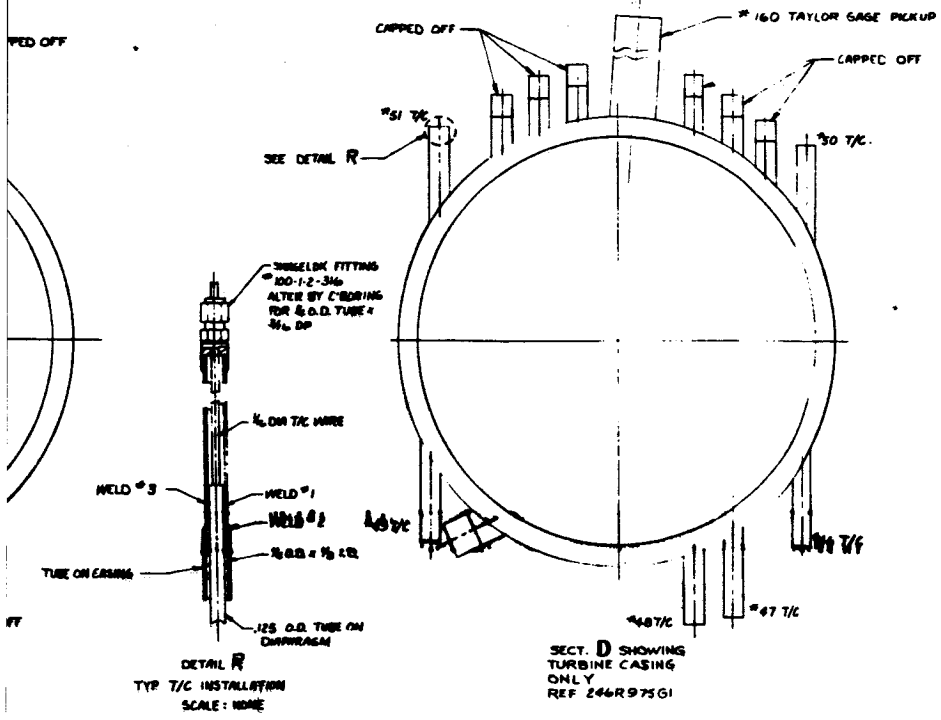
Figure 12. Calculated Variation in the Ratio of Turbine Torque to Inlet Total Pressure With Rotative Speed and Total to Static Pressure Ratio.

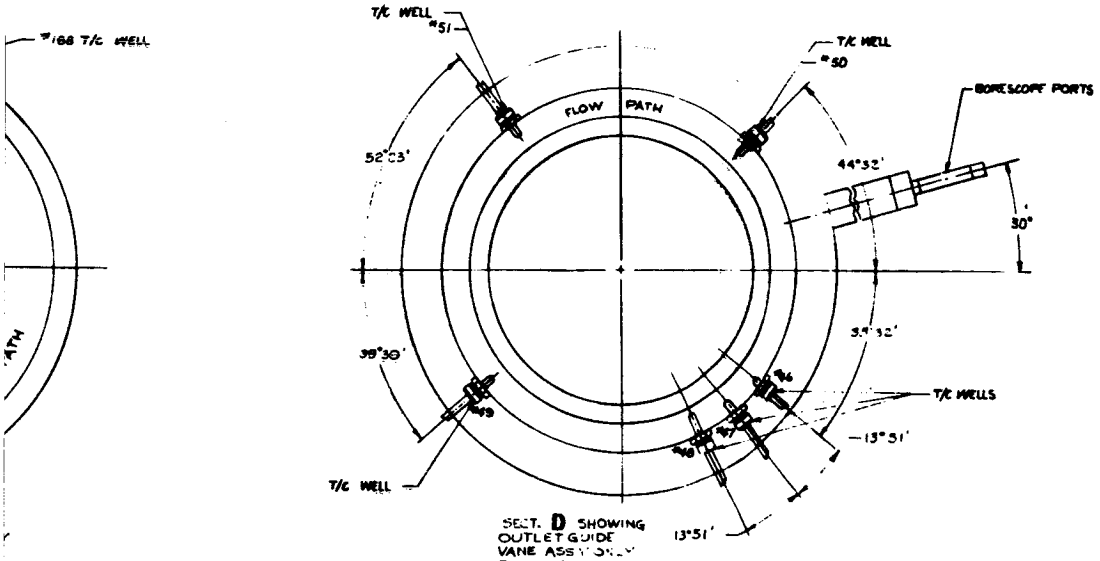

17
16
L
K
J
H
G
F
E
D
C
B
A
1/8 O.D. x .028 WALL
WELD
DETAIL T
TYP T/C WELL CONSTRUCTION
SCALE : NONE
SEE DETAIL S
SEE DETAIL T
#183 T/C
INSERT .060 DIA
T/C WIRE
SWAGELOK FITTING
#100-1-2-316
ALTER BY C'BORING
FOR 3/16 O.D. TUBE
x 1/4 DP
3/16 O.D. x .060 WALL
WELD #2
WELD #3
WELD #1
#182
3/8 O.D. x .065 WALL
WELD TO INLET
DUCT
1/8 O.D. x .028 WALL
DETAIL S
TYP T/C INSTALLATION IN INLET DUCT
SCALE NONE
CAP
WELD
1/4 O.D. x .06 WALL
WELD
WELD
5/8 O.D. x .125 WALL
1
1/2
4 TO
CASING OR
INLET DUCT
DETAIL V
TYP BORESCOPE PORT CONSTRUCTION
SCALE : NONE

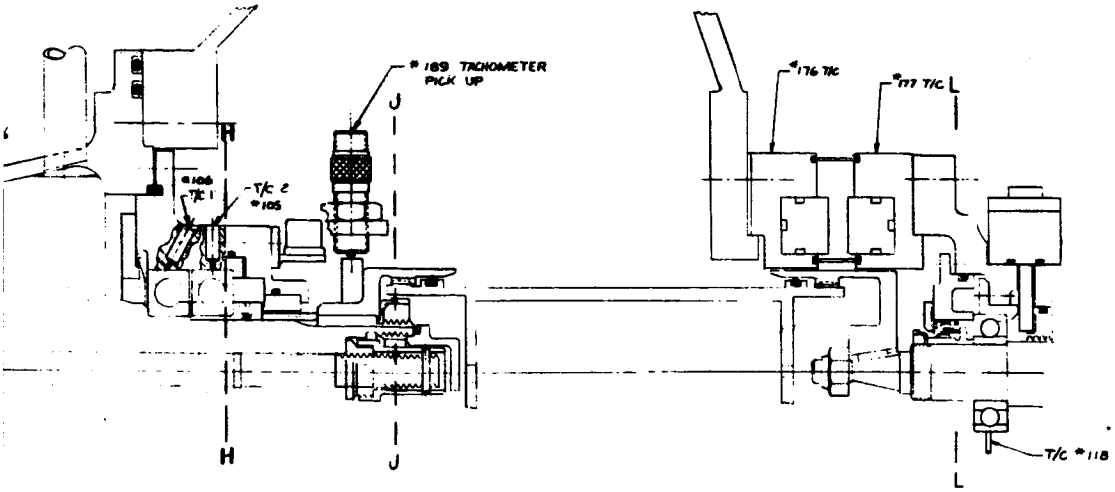
258



15
14
13
12
20°
#167 T/C
BORESCOPE PORT
SEE DETAIL V
30°
#181 T/C
FLOW PATH
SECT. A
SEE DETAIL R
186 T/C
187 T/C
#188 T/C
CAPPED OFF
FLOW PATH
T/C WELL
TYP 3 PLACES
WELD
SECT P-P
SECT. C SHOWING
TURBINE CASING ONLY
#187 T/C WELL
#186 T/C WELL
25°
5°
P
T/C #29
T/C #28
30°
BORESCOPE PORT
FLOW PATH
SECT. B
STG 3 NOZZLE
DIAPHRAGM ASSY
T/C (8) LOC 30° LEFT
OF TOP VERT ℄
(AFT LOOKING FWD)
STA. #3
STA. #4
STA #5
STA #6
STA #7
A
B
C
D
#146
#147
#144 T/C
#145 T/C
#178 T/C
#179 T/C
#180 T/C
E
F
G
SECT. C
STG 4
E F


CAPPED OFF
#160 TAYLOR GAGE PICKUP
CAPPED OFF
#51 T/C
SEE DETAIL R
#50 T/C.
SWAGELOK FITTING #100-1-2-316 ALTER BY C'BORING FOR 1/8 O.D. TUBE x .36" DP
1/16 DIA T/C WIRE
WELD #3
WELD #1
WELD #2
1/8 O.D. x 1/16 I.D.
TUBE ON CASING
.125 O.D. TUBE ON DIAPHRAGM
#48 T/C
#47 T/C
DETAIL R
TYP T/C INSTALLATION
SCALE: NONE
SECT. D SHOWING TURBINE CASING ONLY
REF 246R975G1


#168 T/C WELL
T/C WELL #51
T/C WELL #50
BORESCOPE PORTS
FLOW PATH
52°03'
44°32'
30°
39°30'
39°32'
T/C WELLS
13°51'
T/C WELL
SECT. D SHOWING OUTLET GUIDE VANE ASSY ONLY
REF 4012000-651G1,G2 & G3


#189 TACHOMETER PICK UP
#176 T/C
#177 T/C
T/C #2 #105
T/C #1 #106
T/C #118
H
J
L

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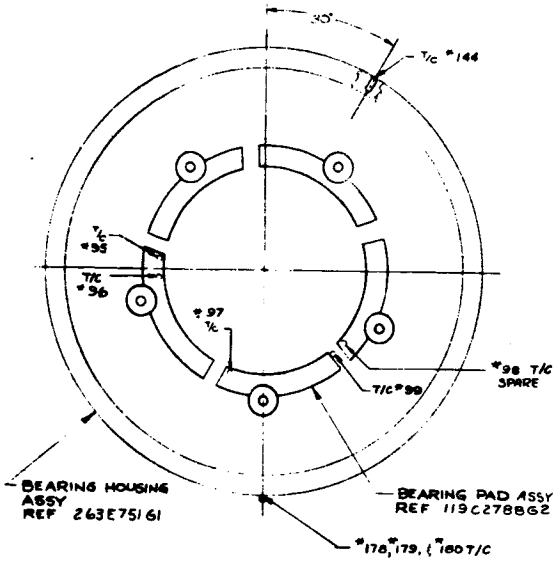
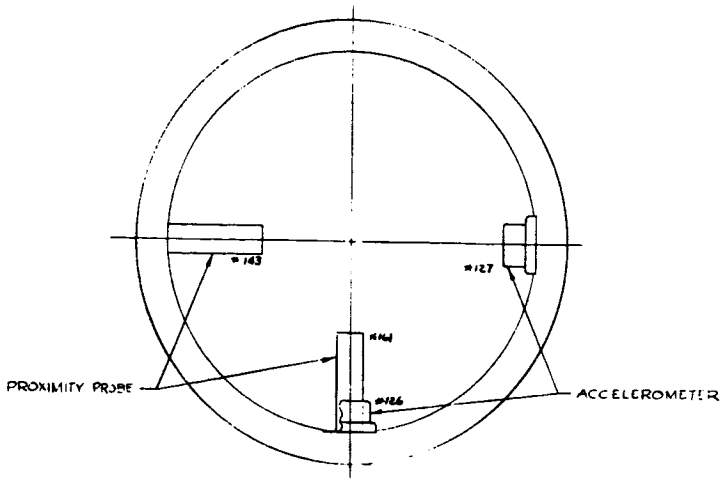
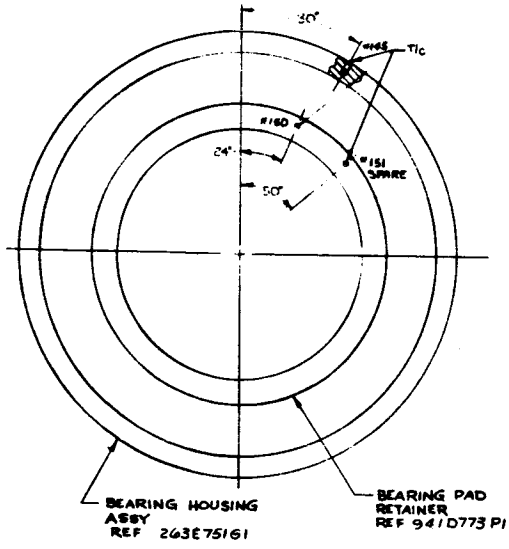


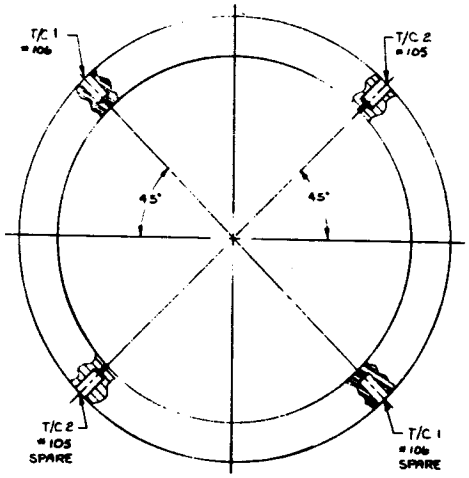
SECT. E



SECT. G
STABILIZER BRG MTG RING
REF 119C2752P1



SECT. F



SECT. H
THRUST BRG HOUSING
119C2773P1

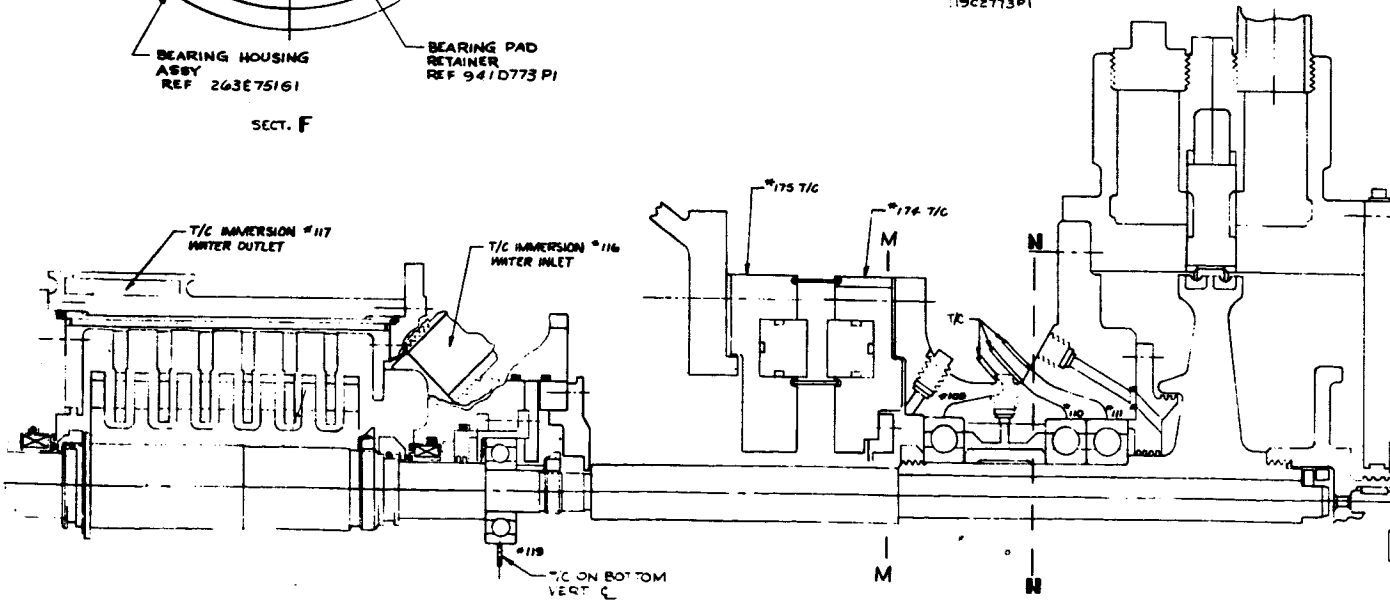
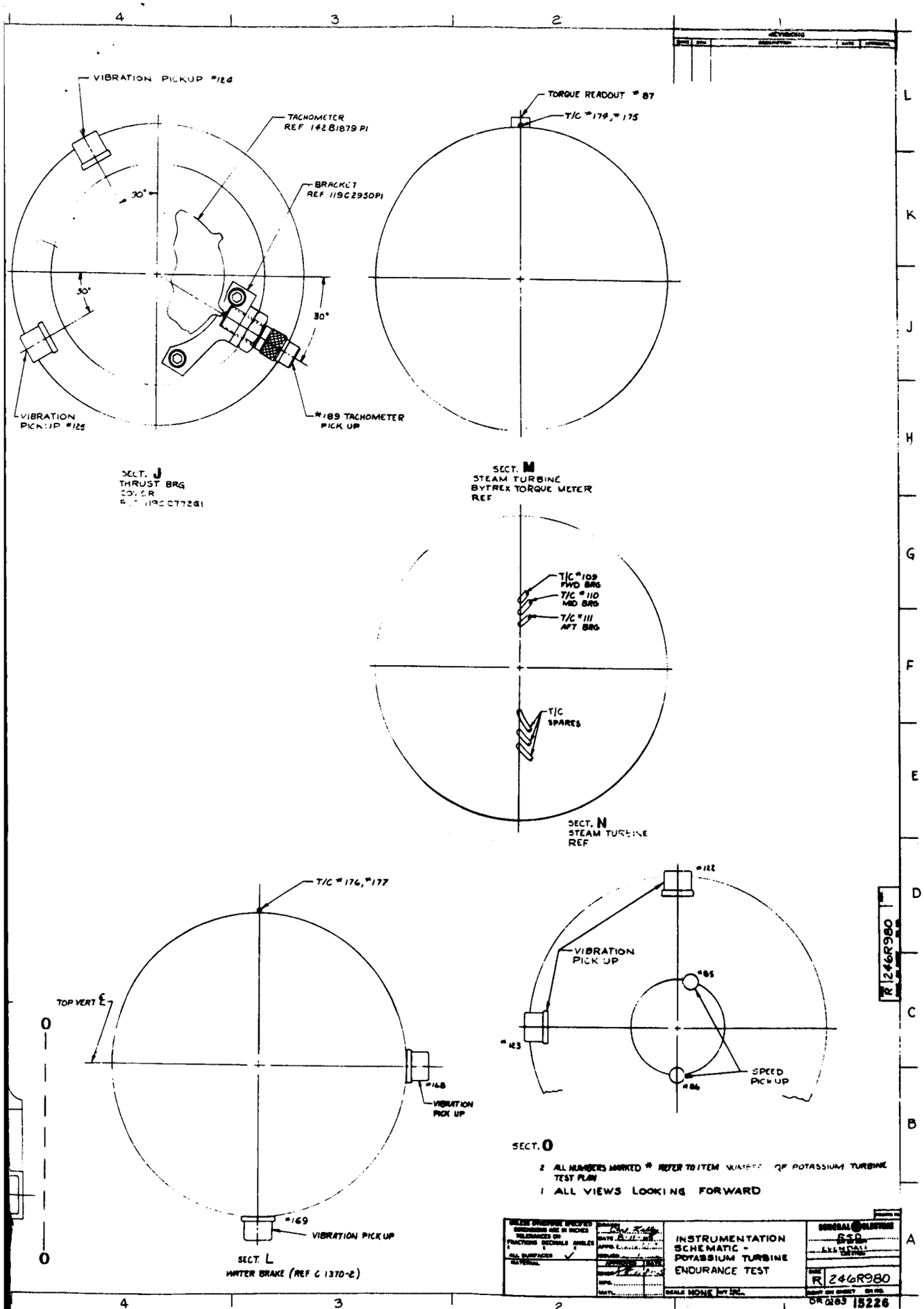


Figure 13. Instrument



tion for the Turbine Endurance Test.

262

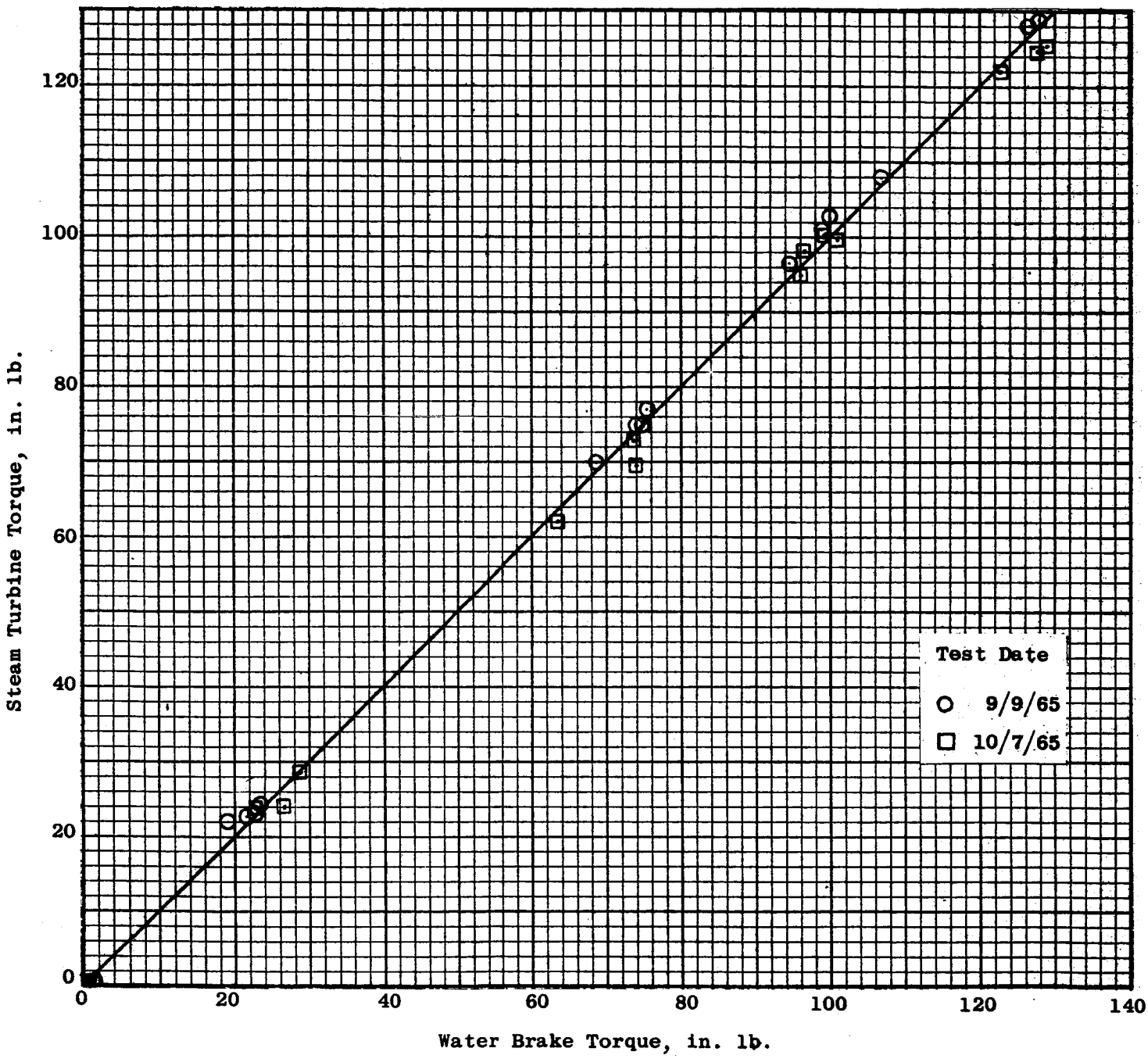


Figure 14. **Steam Turbine Torque vs. Water Brake Torque With the Potassium Turbine Disconnected.**

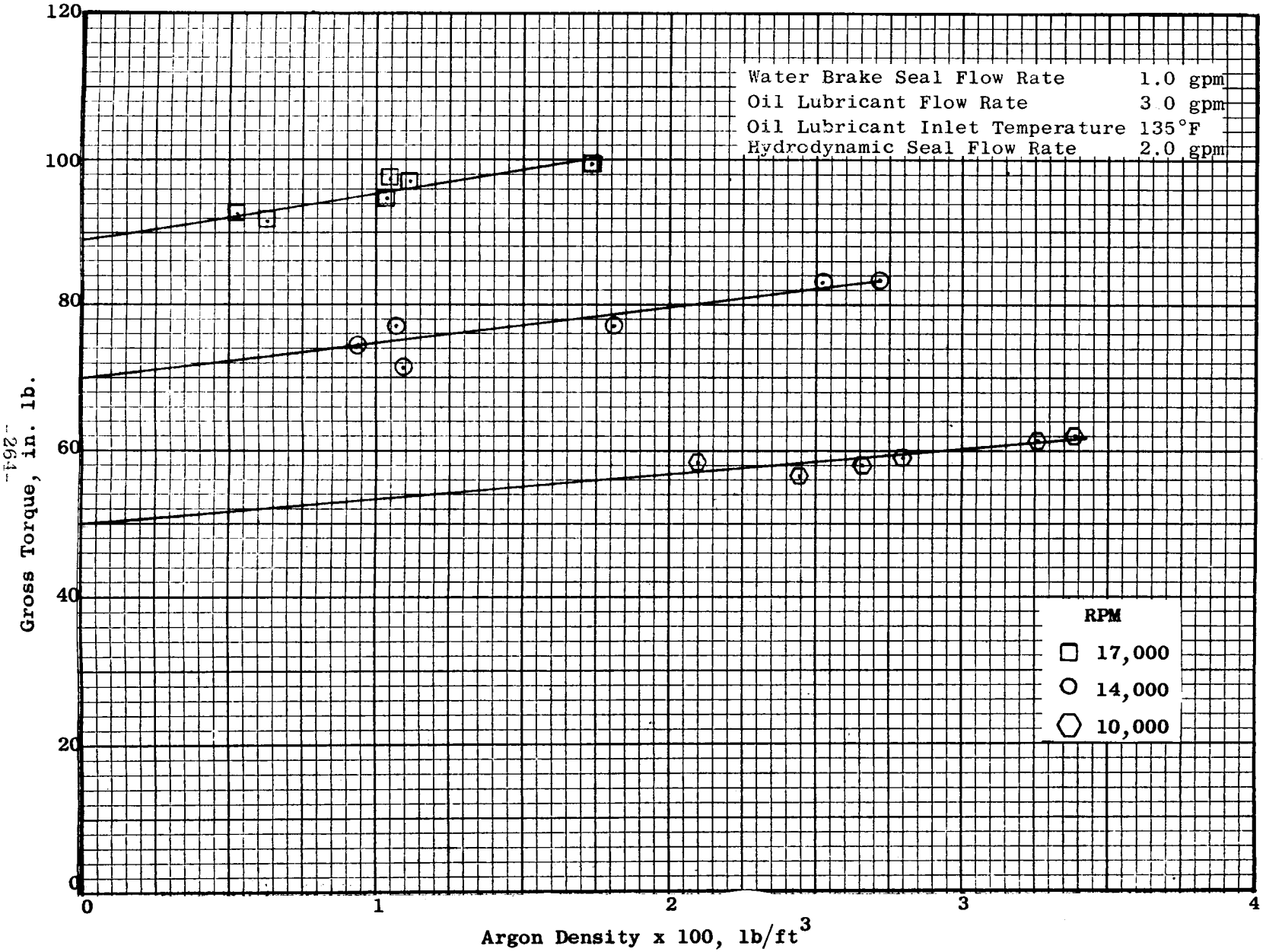


Figure 15. **Tare Torque Variation With Rotative Speed and Density, Test Date, 9/13/65.**

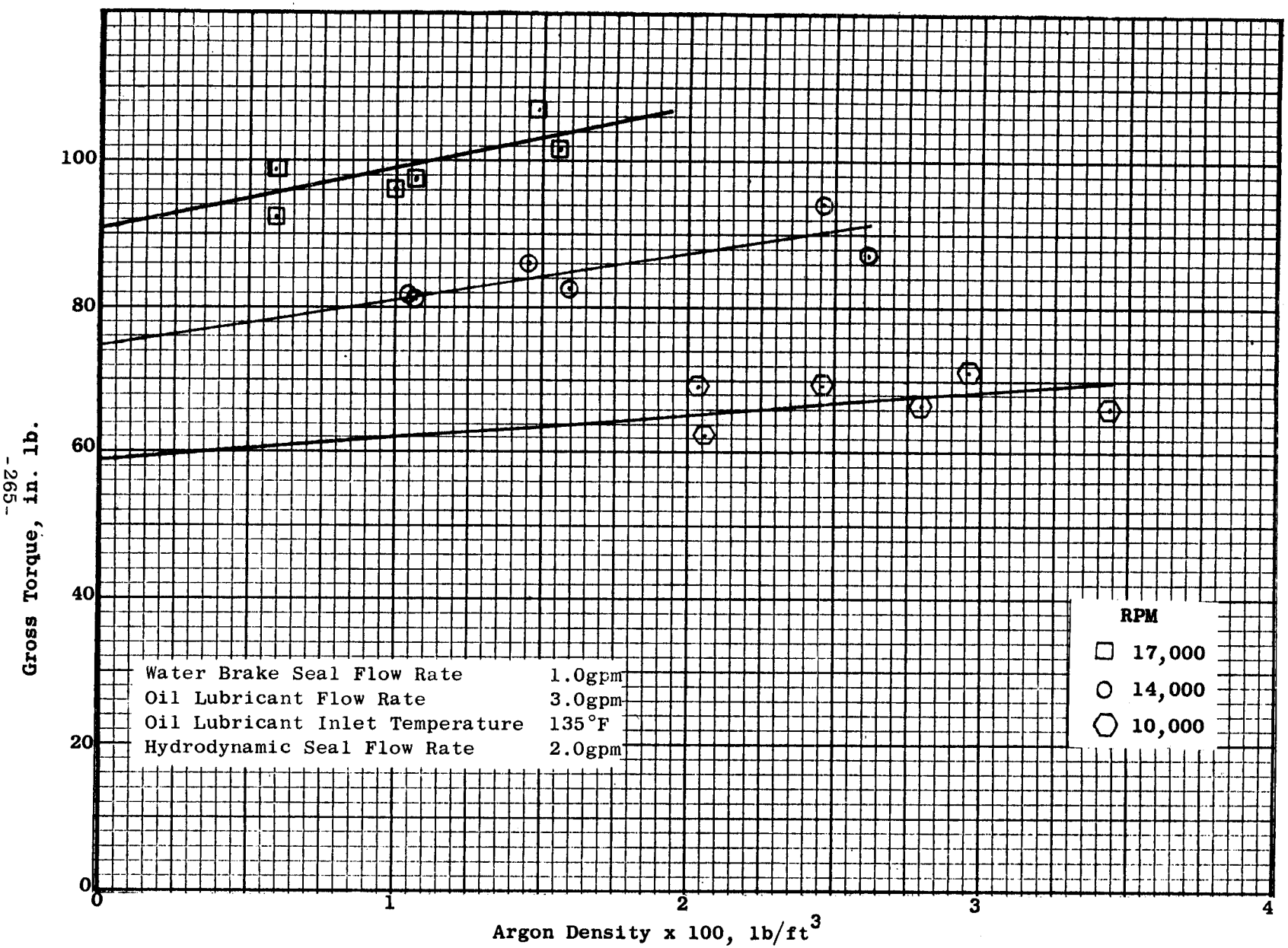


Figure 16. **Tare Torque Variation With Rotative Speed and Density, Test date, 10/8/65.**

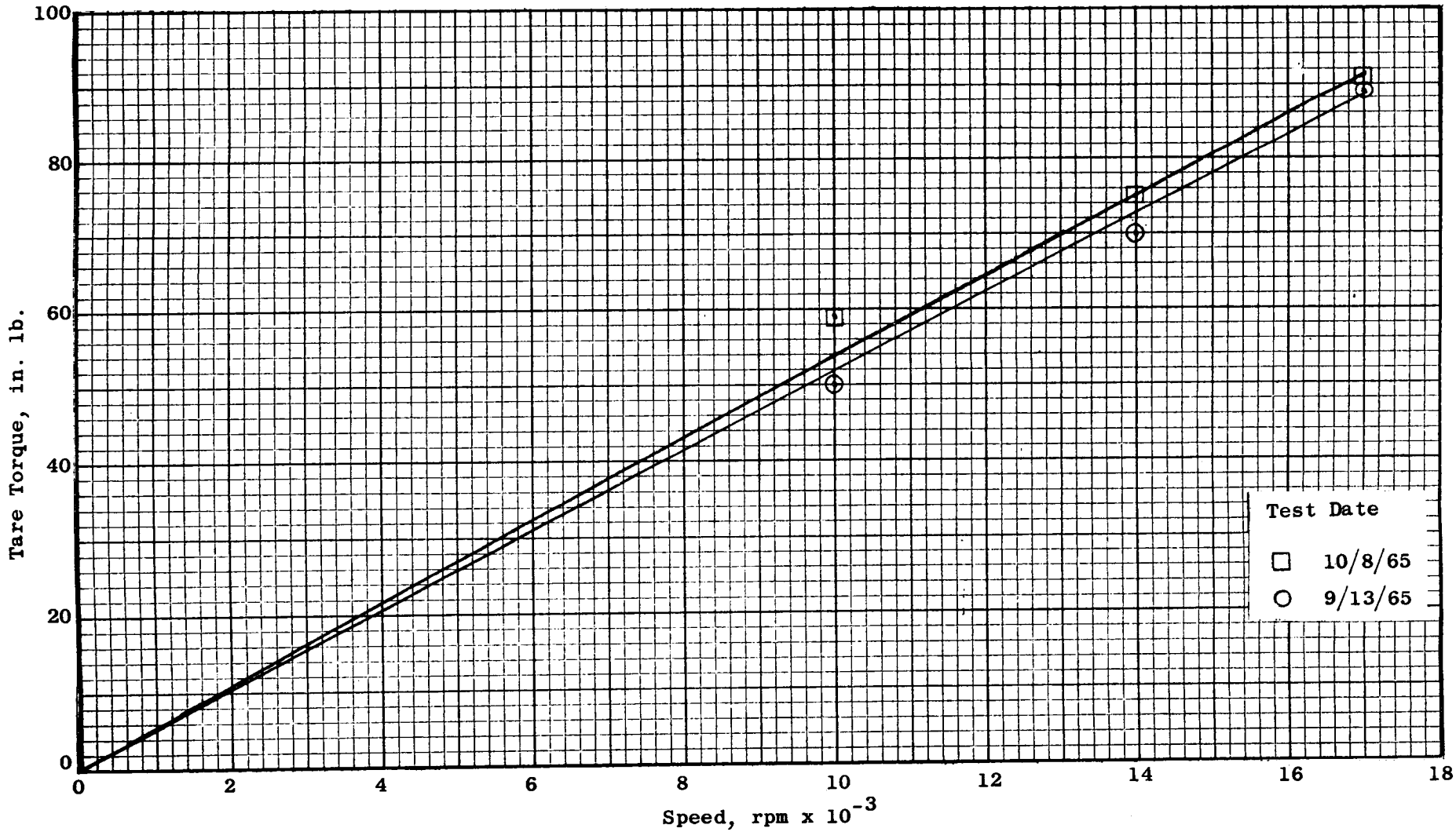


Figure 17. **Tare Torque Variation With Rotative Speed.**

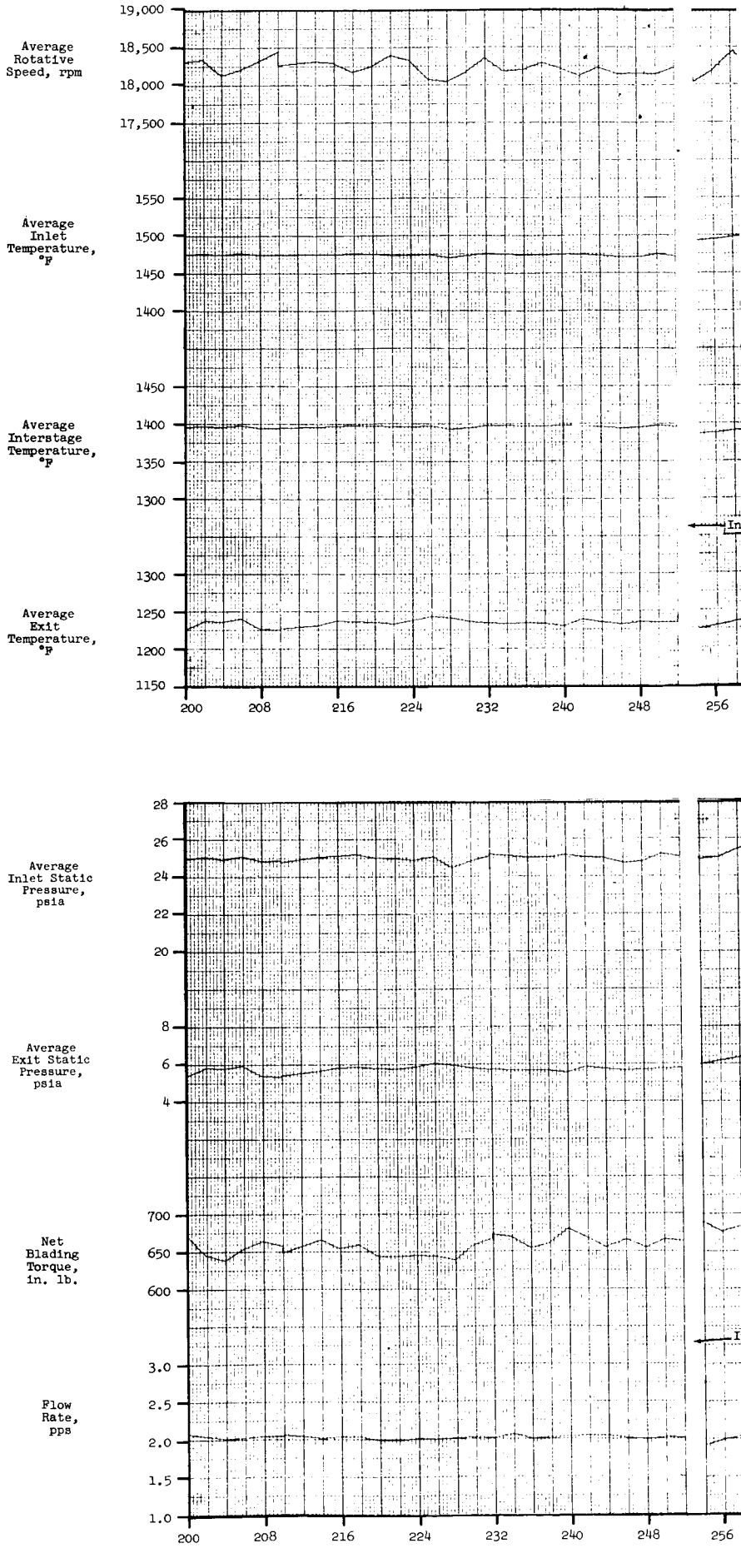
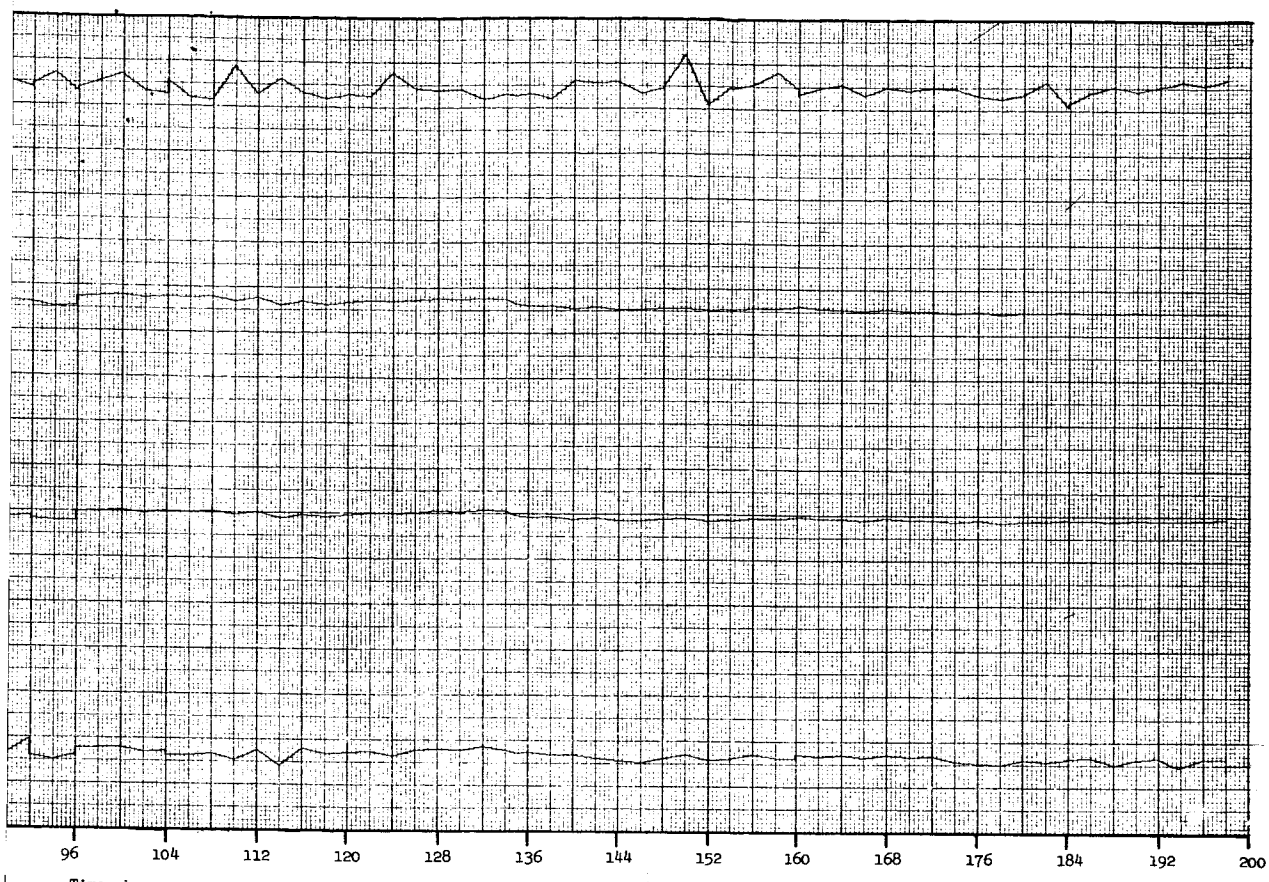
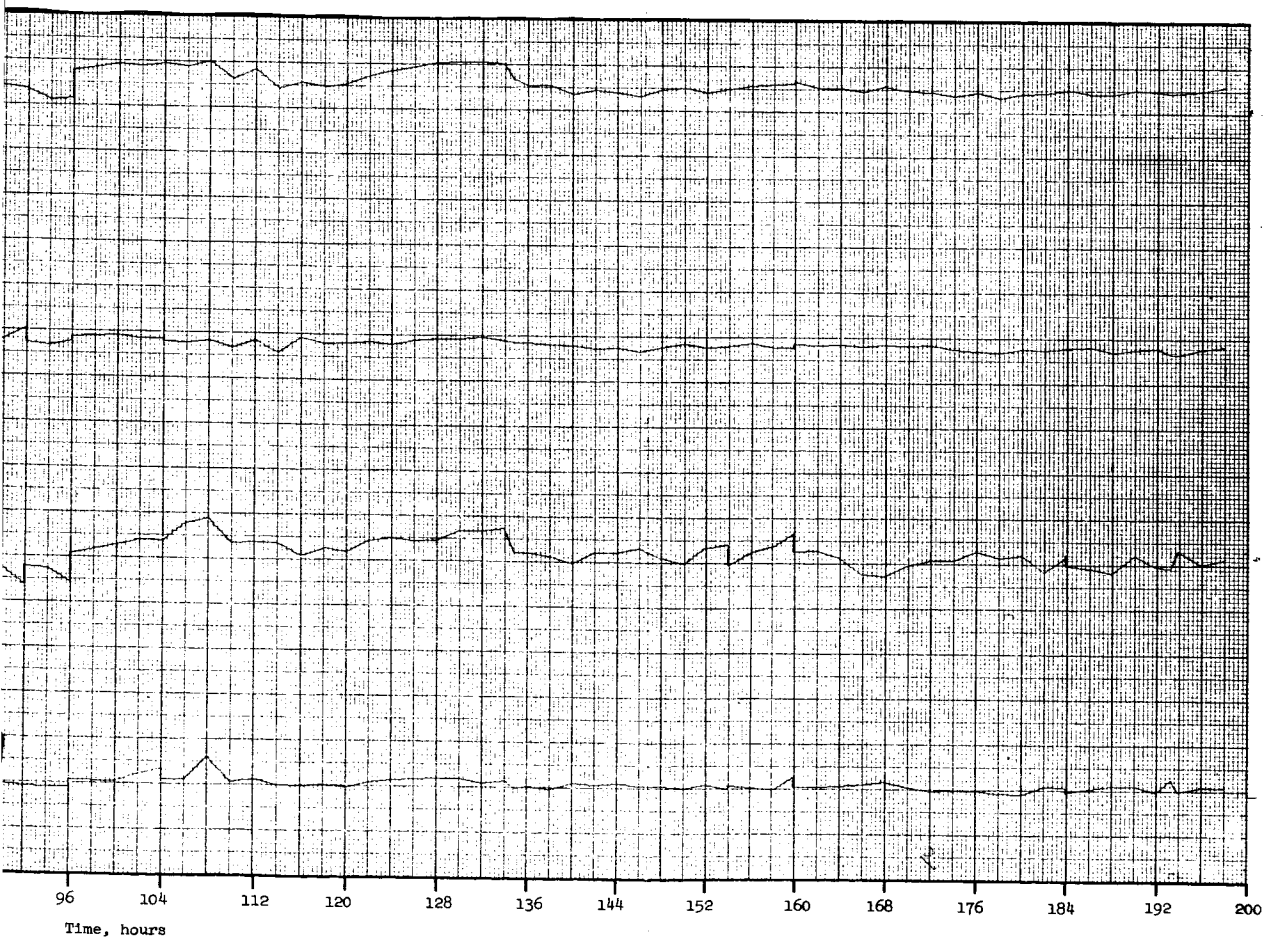

Average Rotative Speed, rpm
19,000
18,500
18,000
17,500
Average Inlet Temperature, °F
1550
1500
1450
1400
Average Interstage Temperature, °F
1450
1400
1350
1300
Average Exit Temperature, °F
1300
1250
1200
1150
200
208
216
224
232
240
248
256
In
Average Inlet Static Pressure, psia
28
26
24
22
20
Average Exit Static Pressure, psia
8
6
4
Net Blading Torque, in. lb.
700
650
600
Flow Rate, pps
3.0
2.5
2.0
1.5
1.0
200
208
216
224
232
240
248
256
I

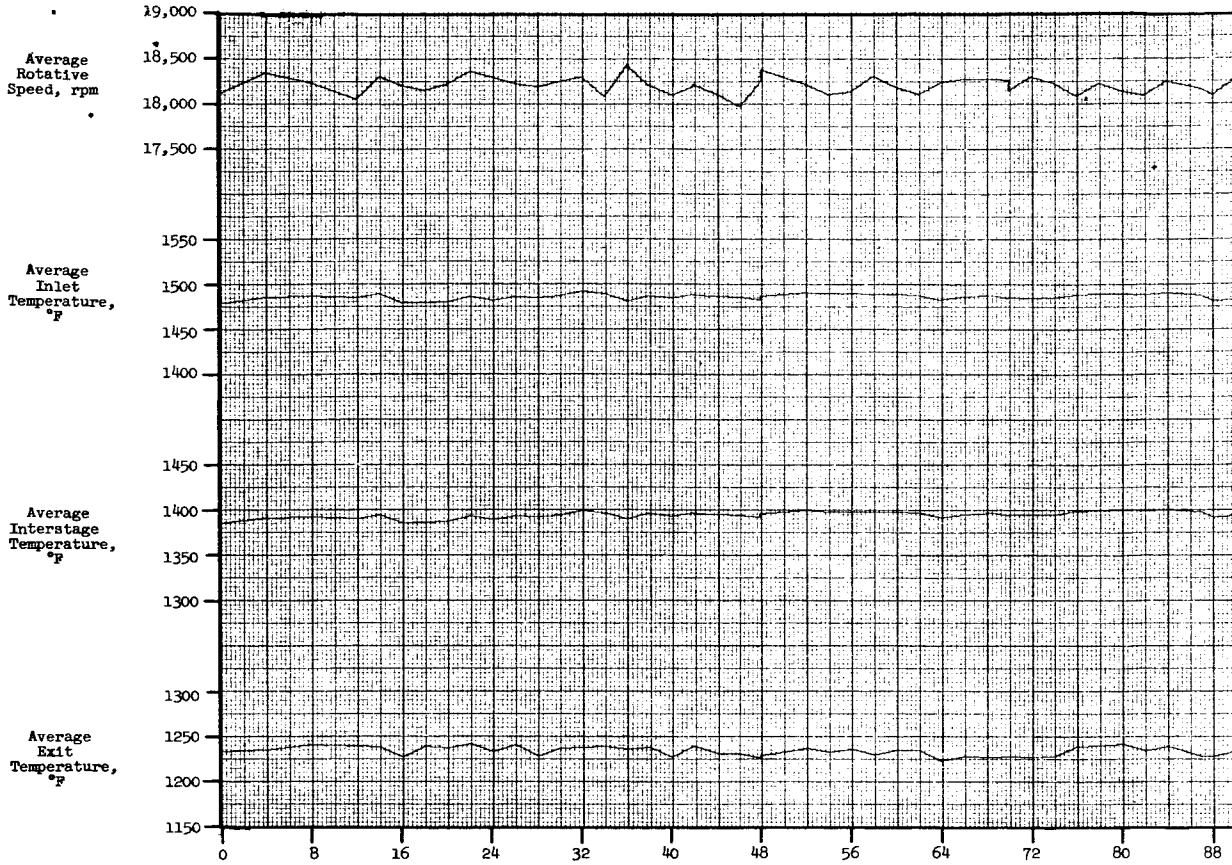
Figure 18

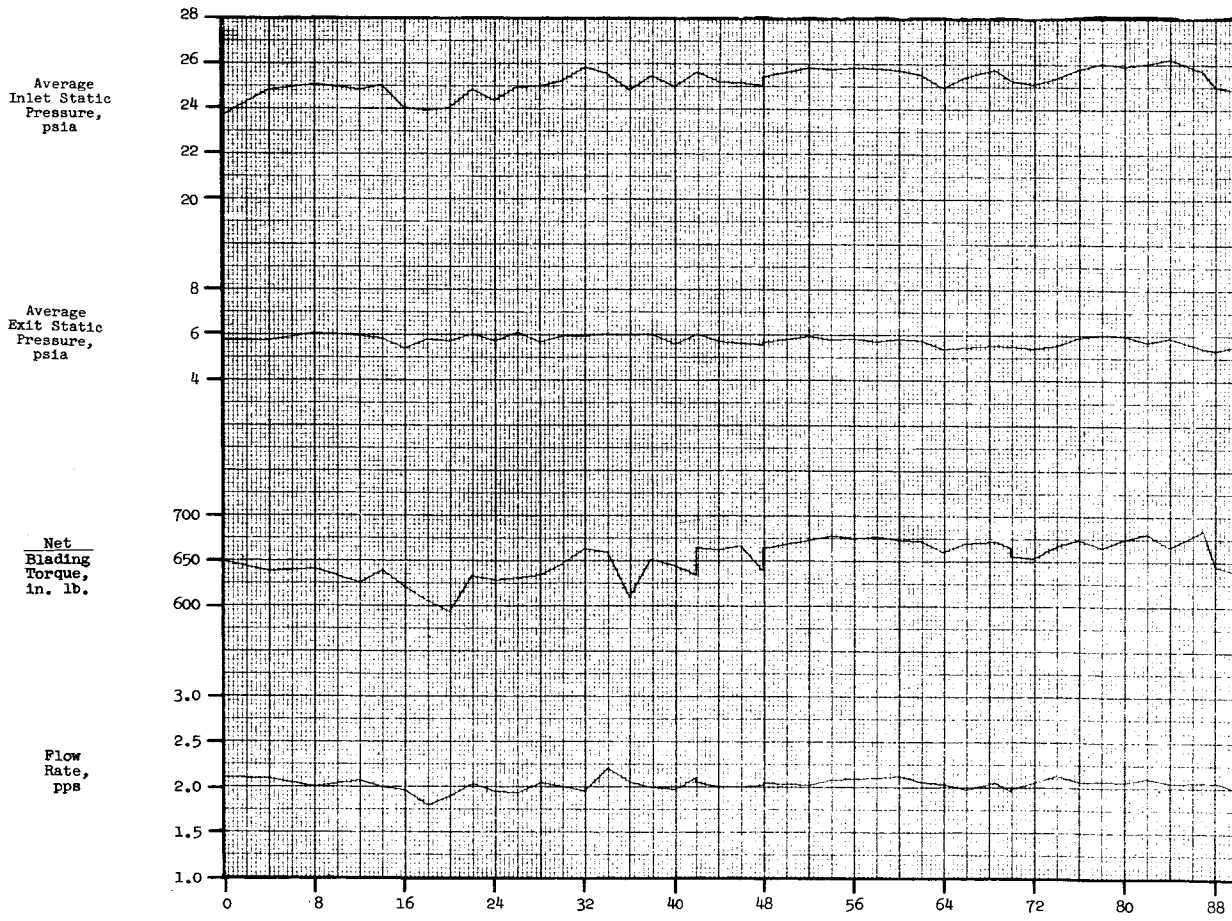




'arameters During Endurance Testing.

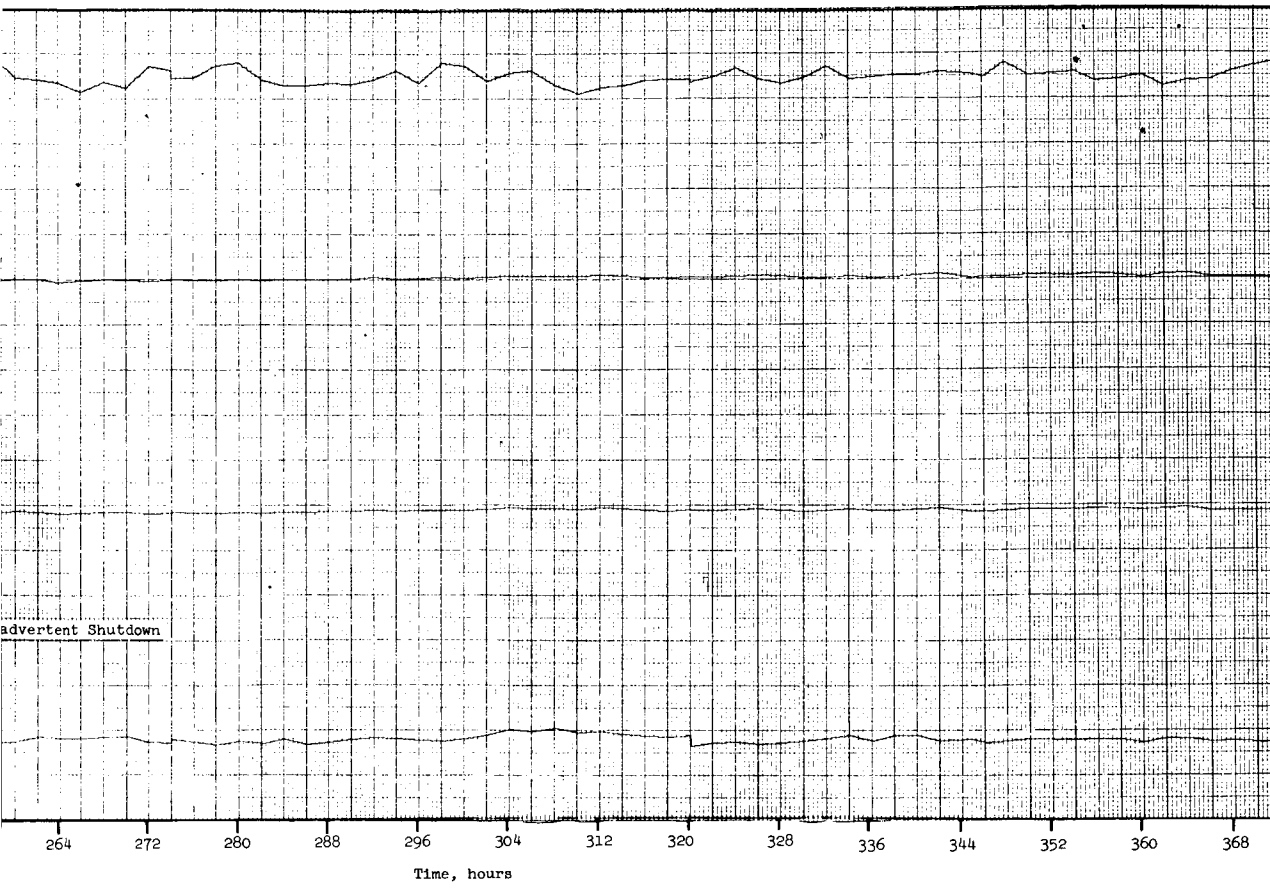
2

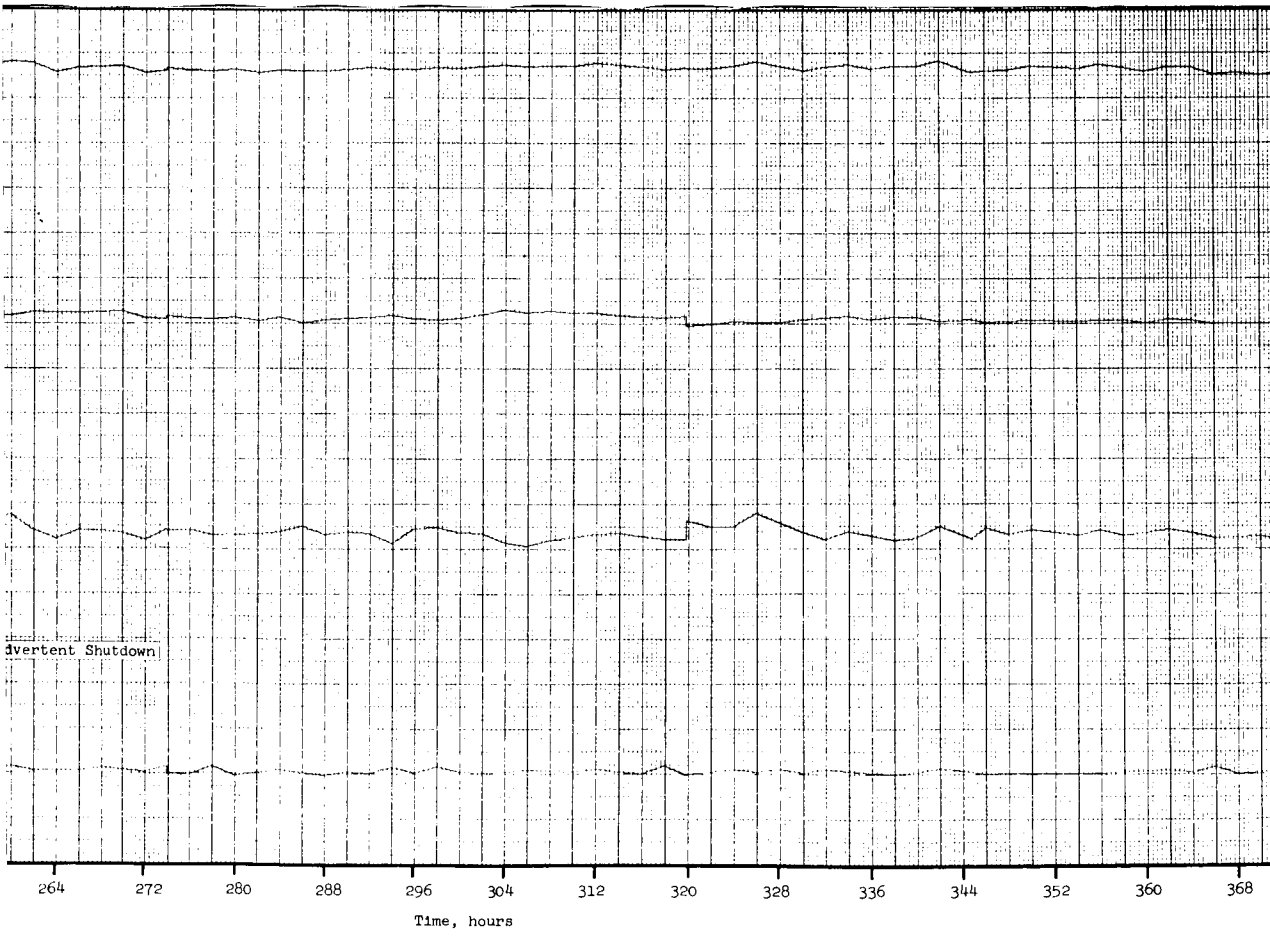




267-1

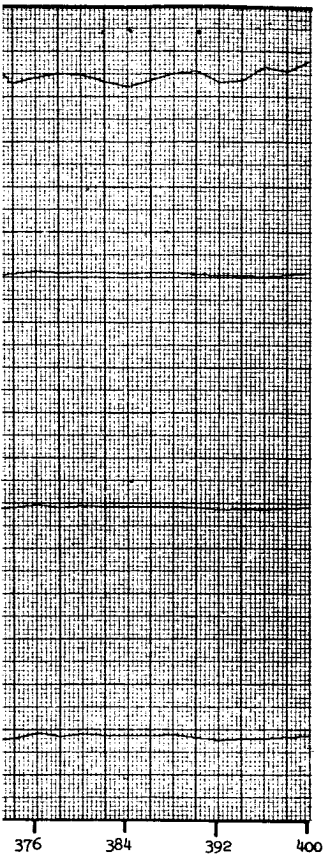
Figure 18A. Variation of Turbine
(0 - 200 Hours)

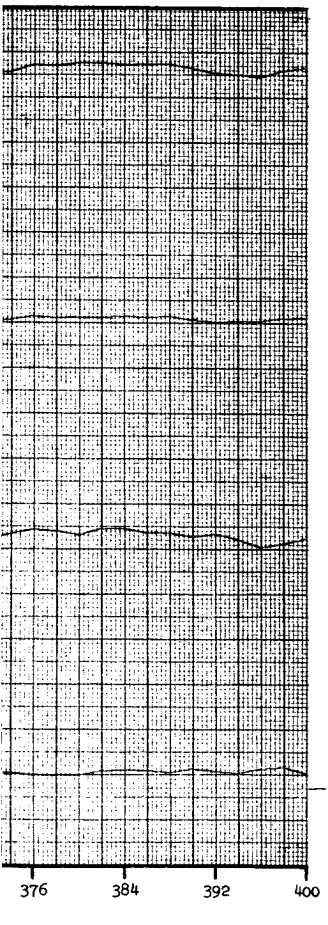




. Variation of Turbine Parameters During Endurance Testing. (200 - 400 Hours)

2


376
384
392
400


376
384
392
400

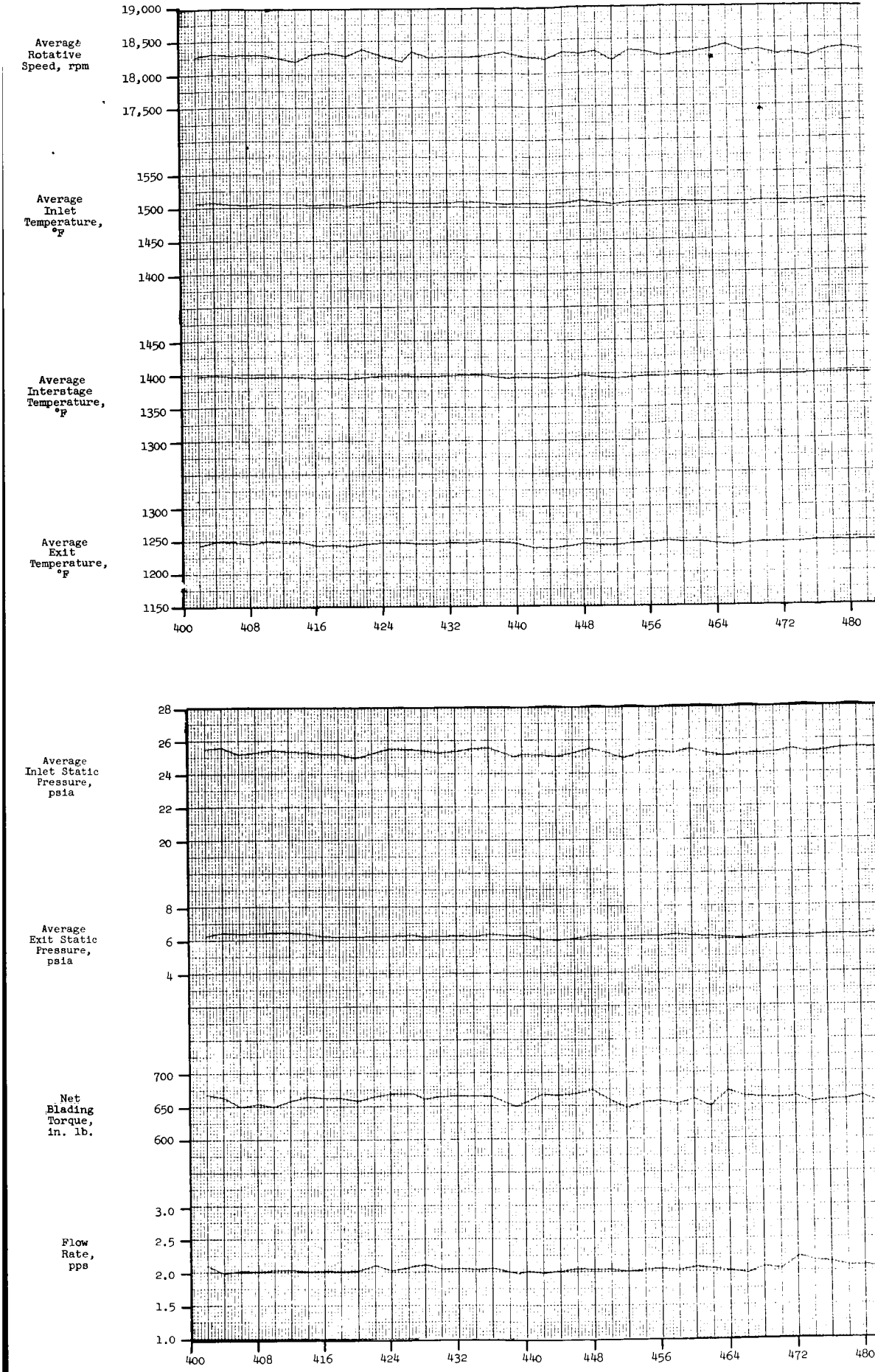
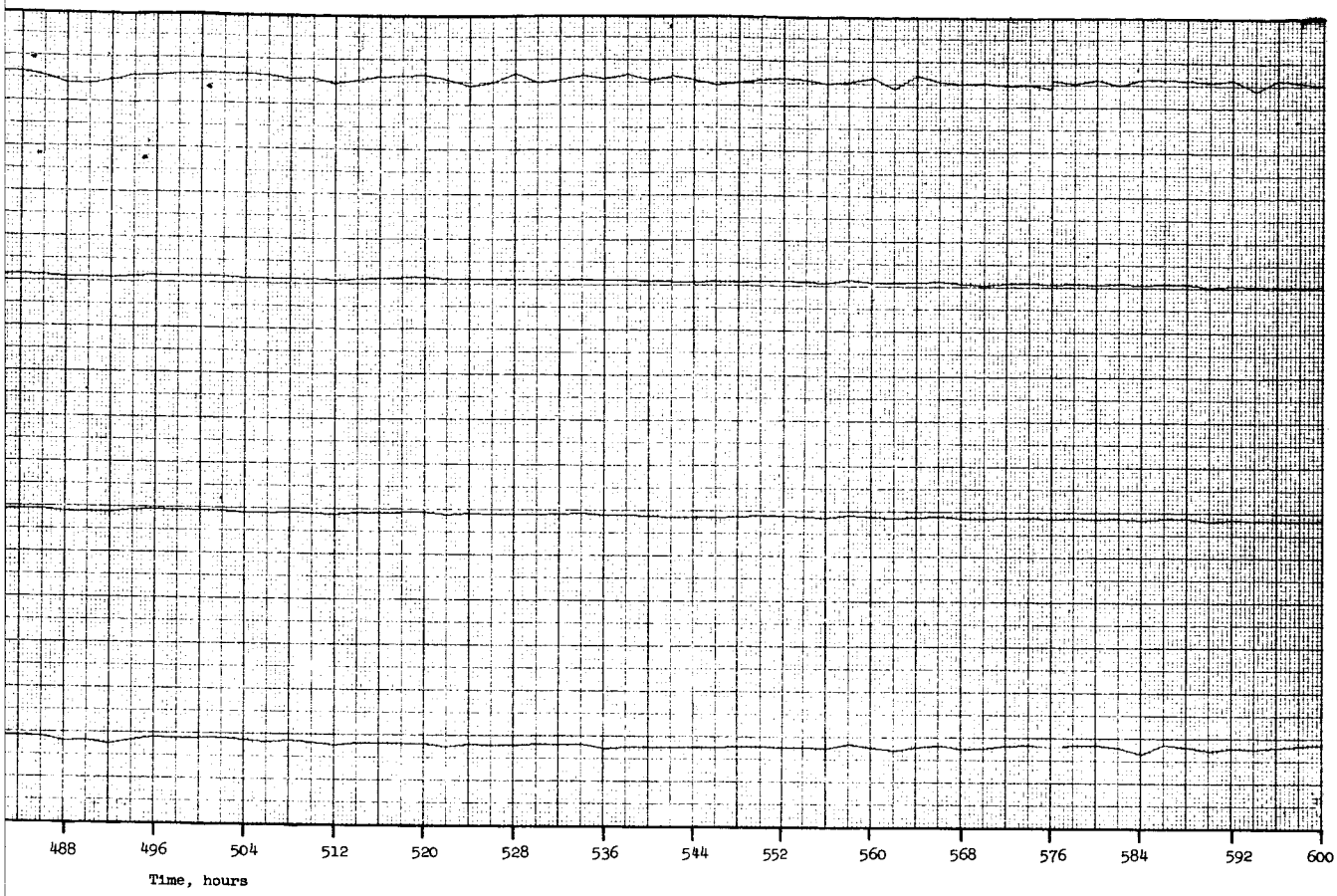
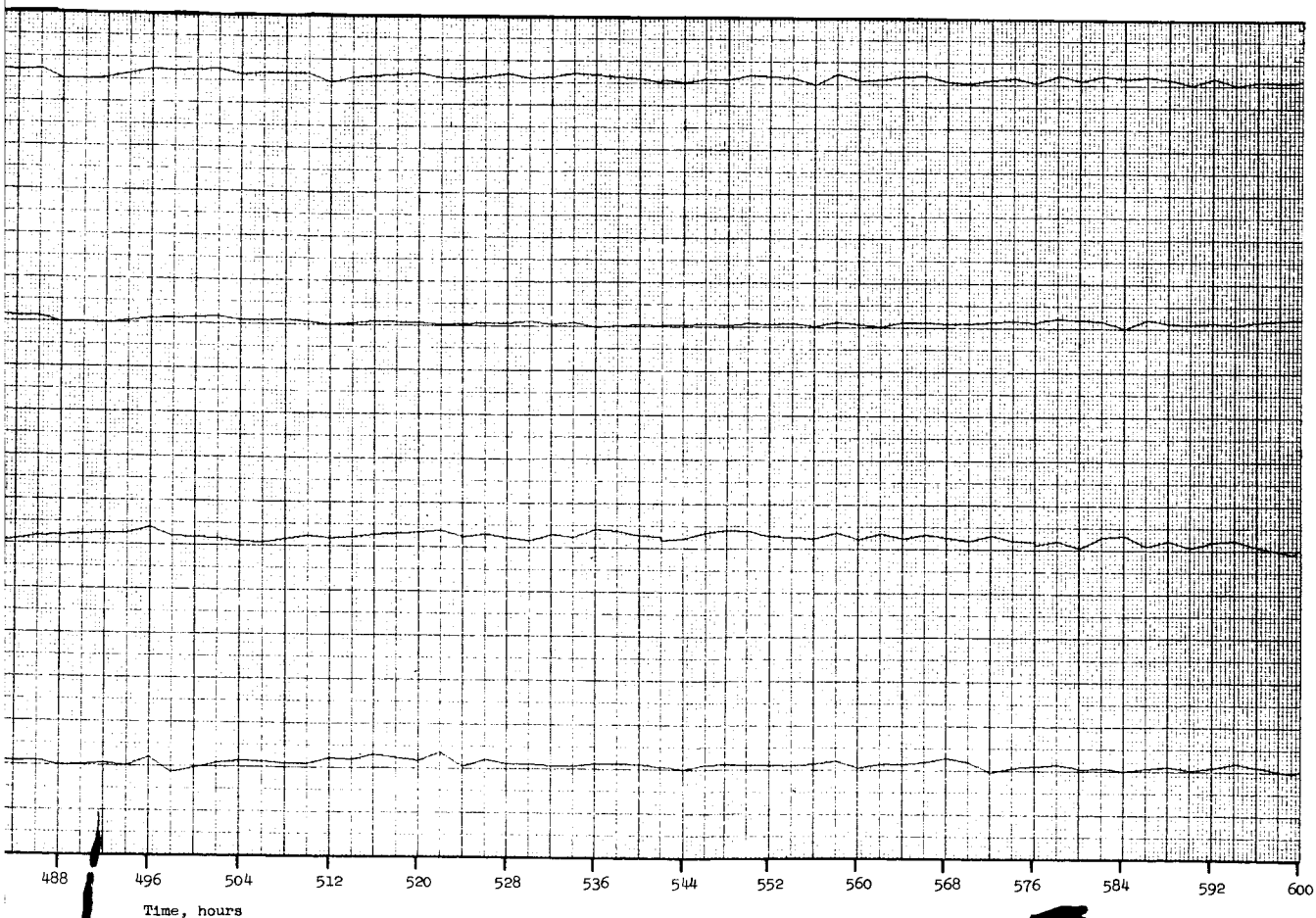


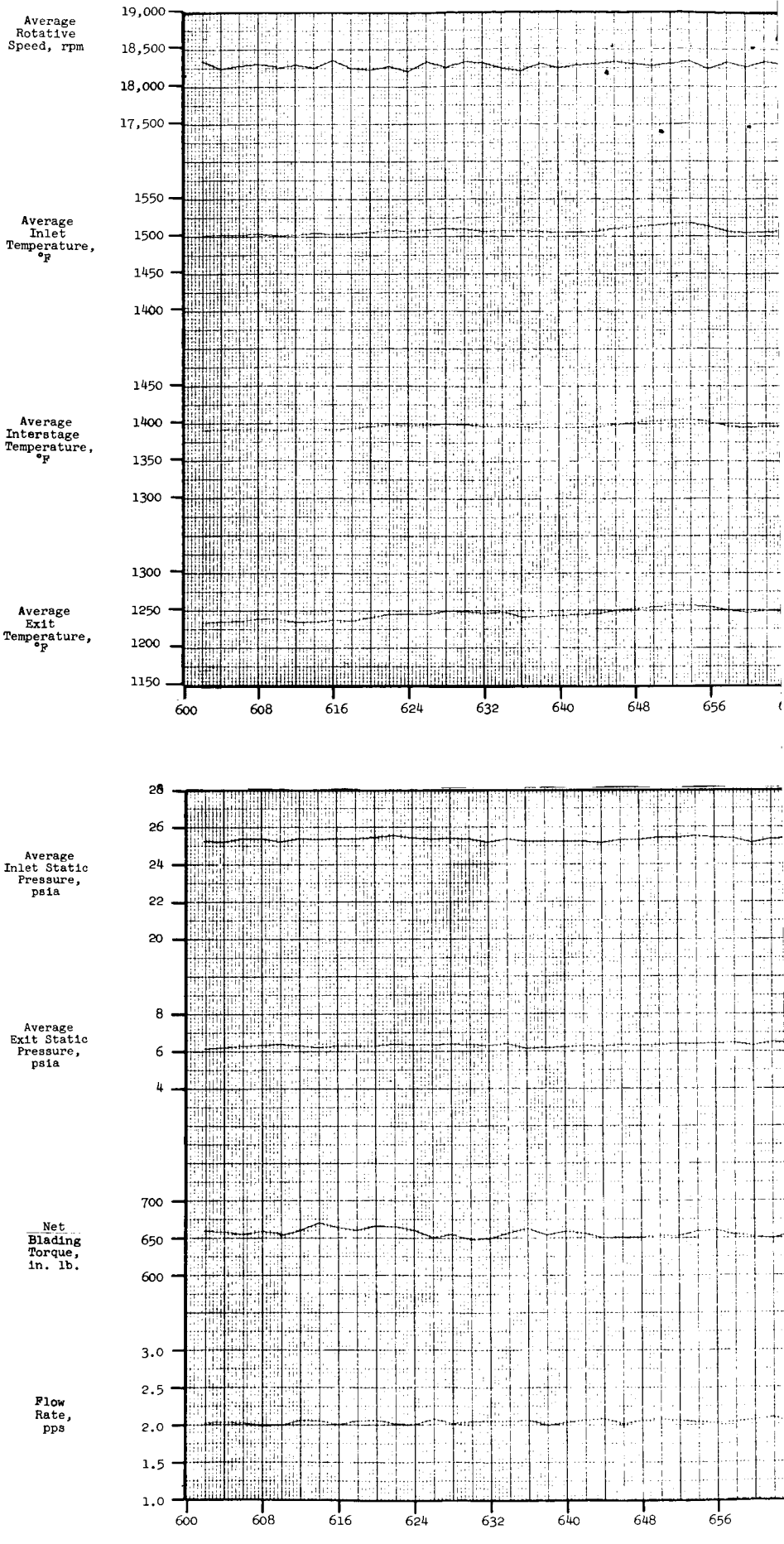
Figure 18C. Variation of
(400 - 600 Hou

269 - 1

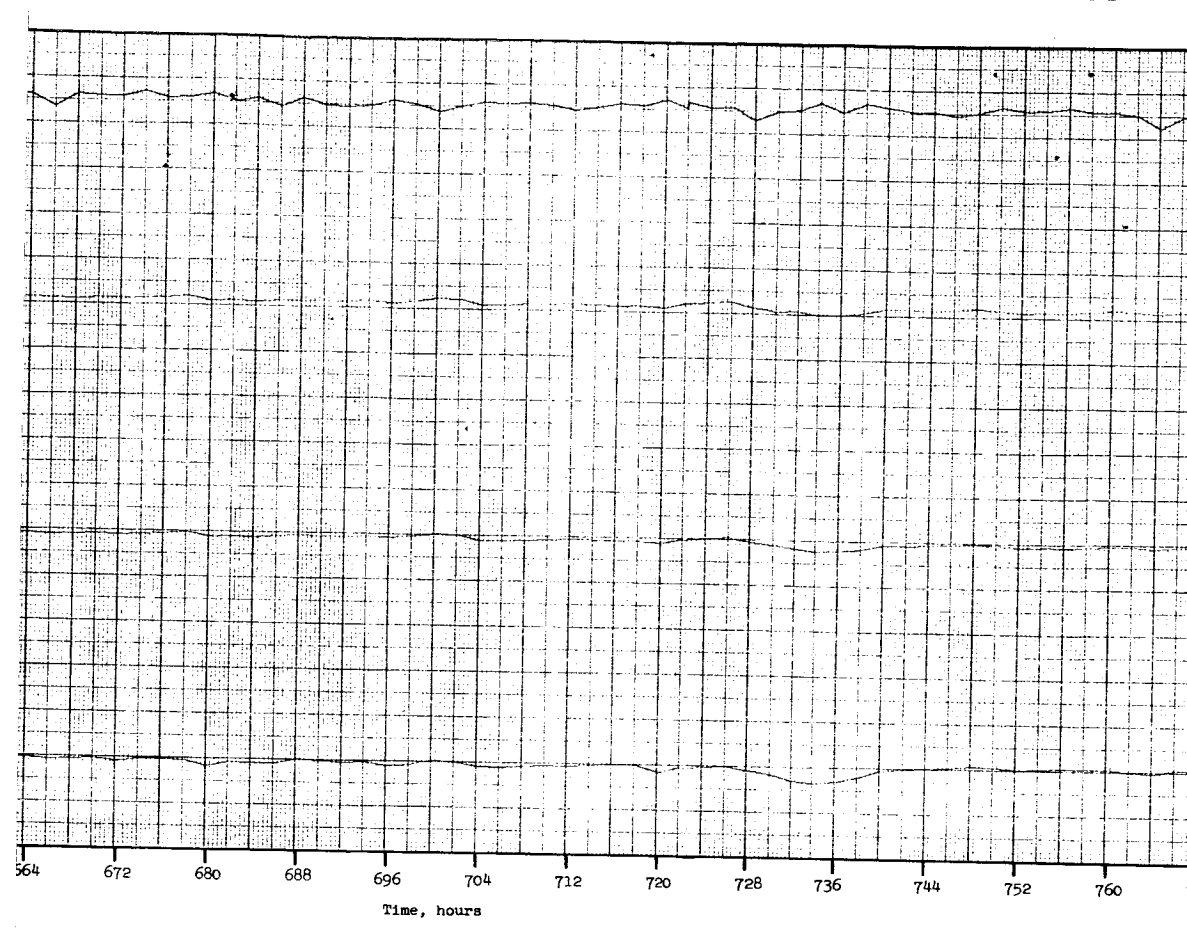


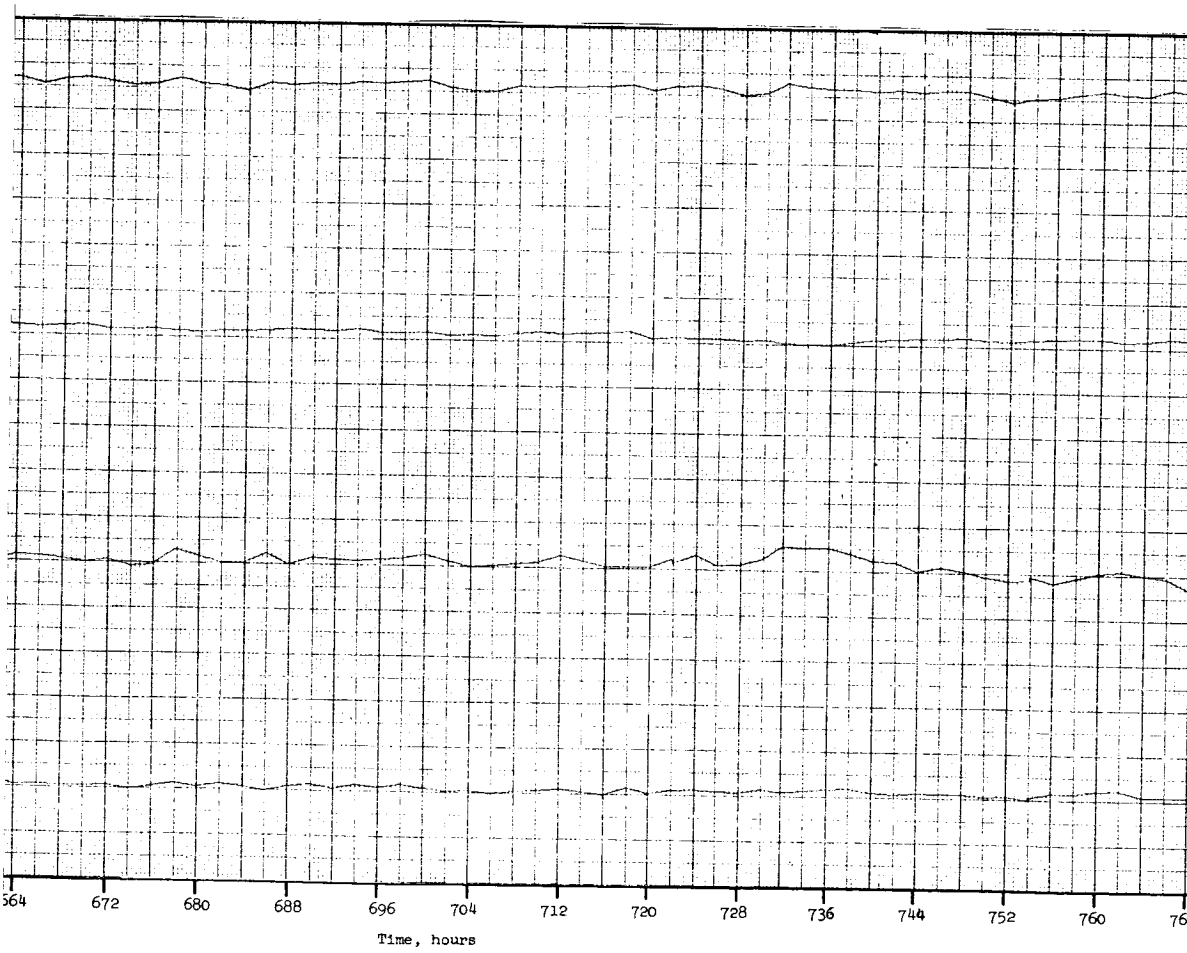


rbine Parameters During Endurance Testing.
s).


Average Rotative Speed, rpm
19,000
18,500
18,000
17,500
Average Inlet Temperature, °F
1550
1500
1450
1400
Average Interstage Temperature, °F
1450
1400
1350
1300
Average Exit Temperature, °F
1300
1250
1200
1150
600
608
616
624
632
640
648
656
Average Inlet Static Pressure, psia
28
26
24
22
20
Average Exit Static Pressure, psia
8
6
4
Net Blading Torque, in. lb.
700
650
600
Flow Rate, pps
3.0
2.5
2.0
1.5
1.0
600
608
616
624
632
640
648
656

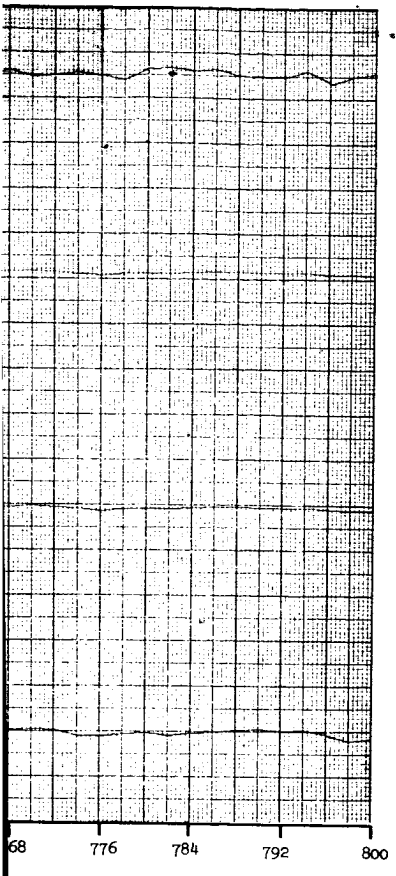
Figure

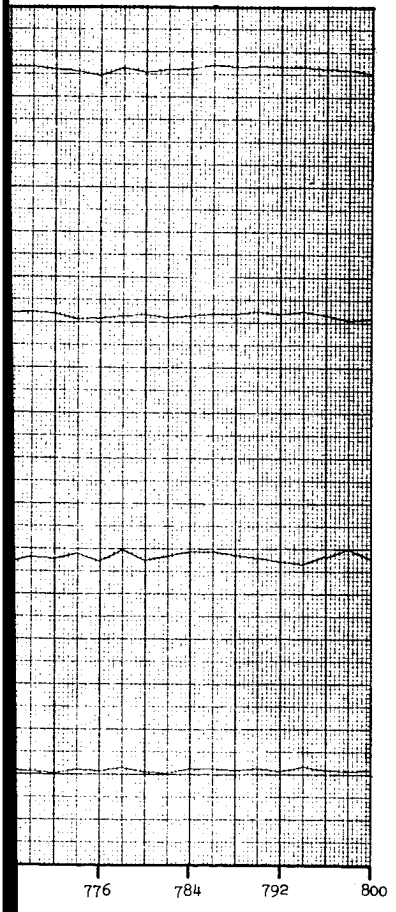




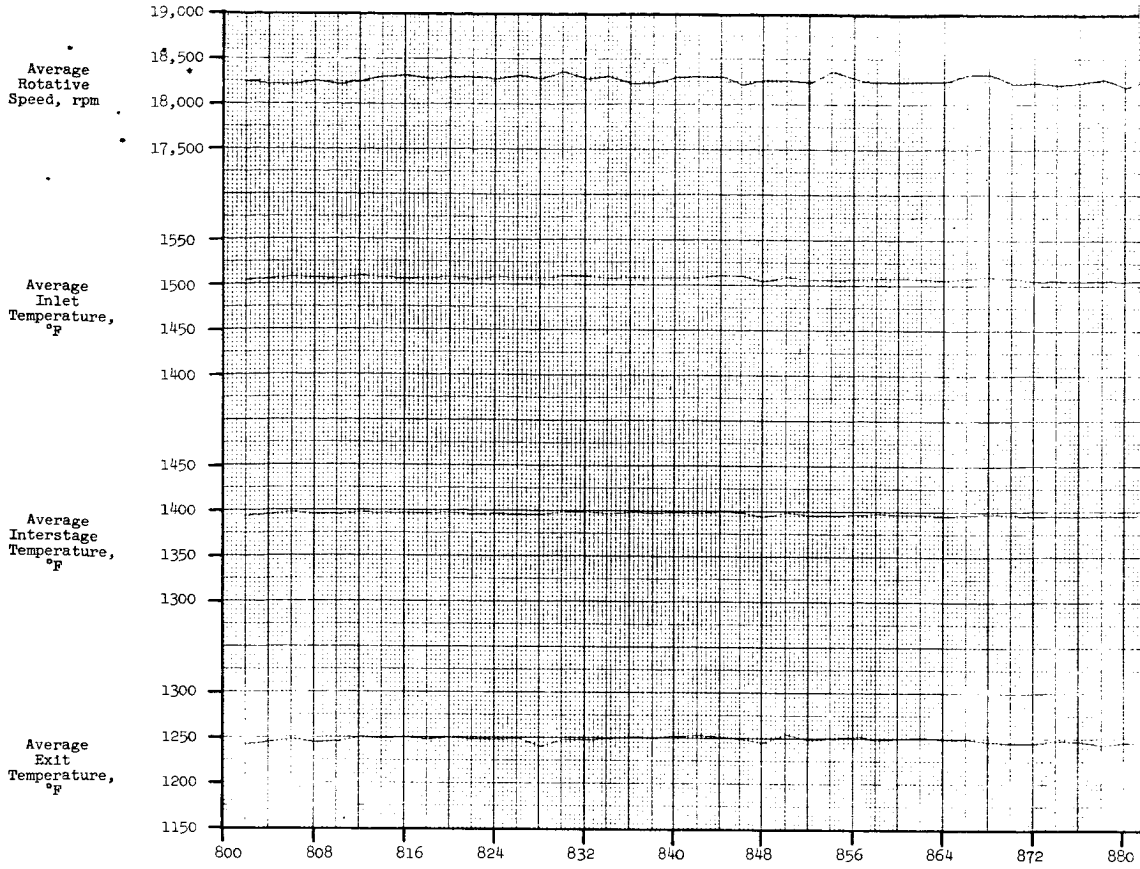
18D. **Variation of Turbine Parameters During Endurance Testing. (600 - 800 Hours)**

270-2





270-3



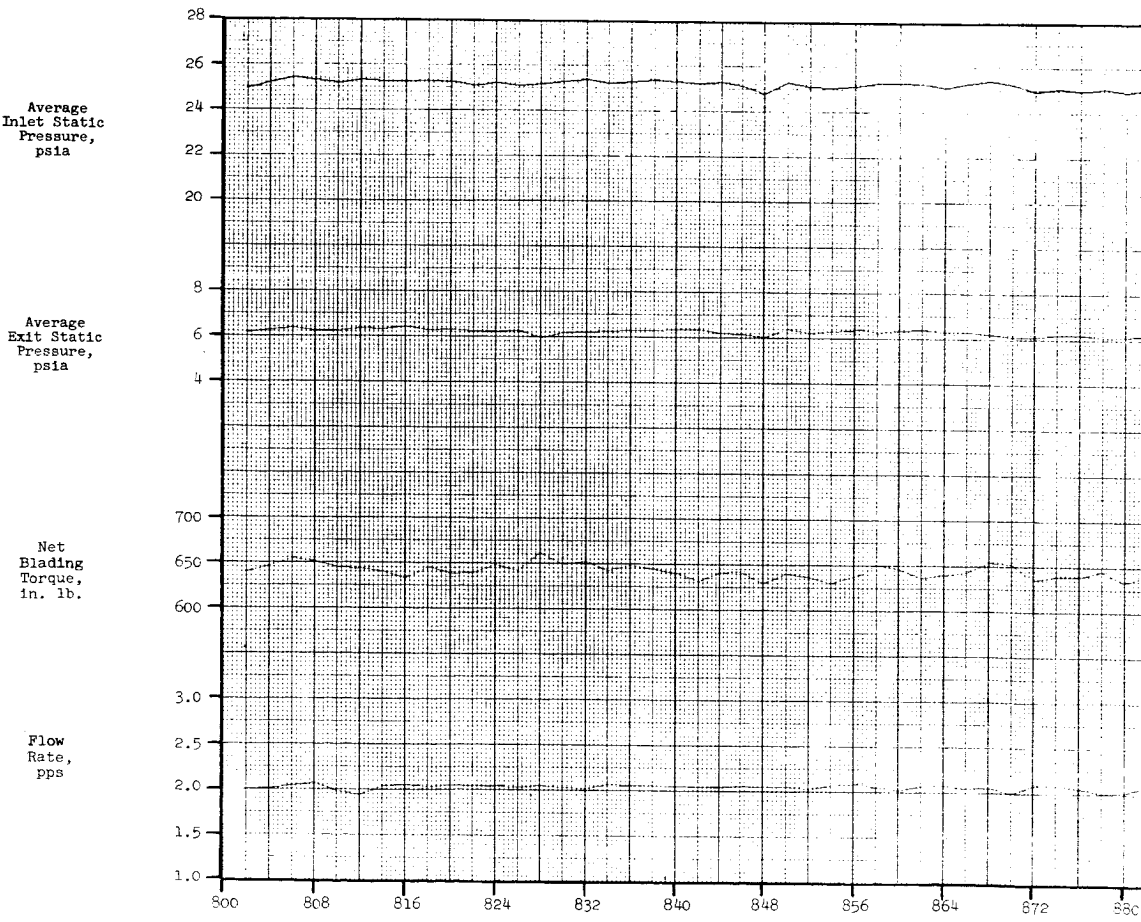
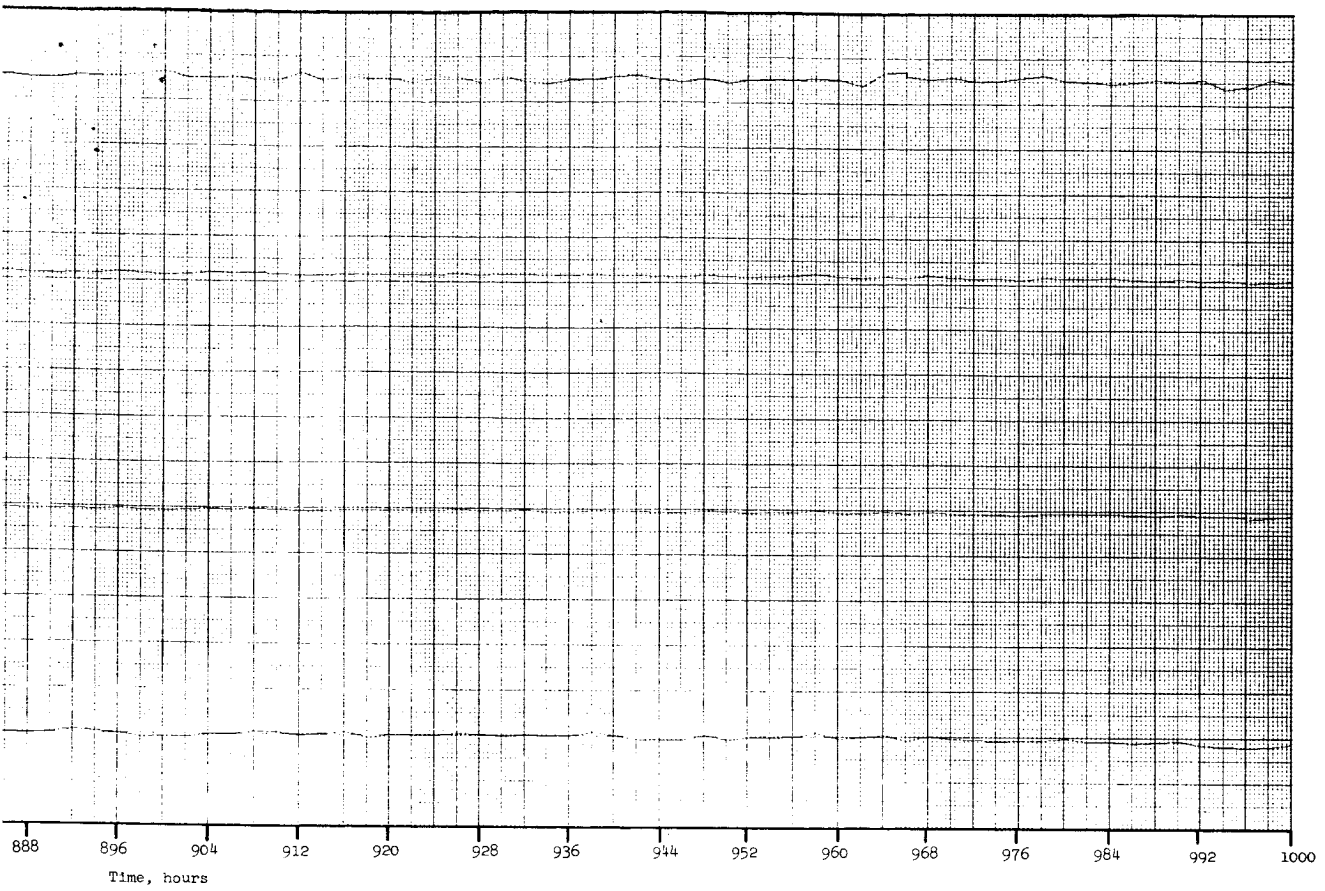
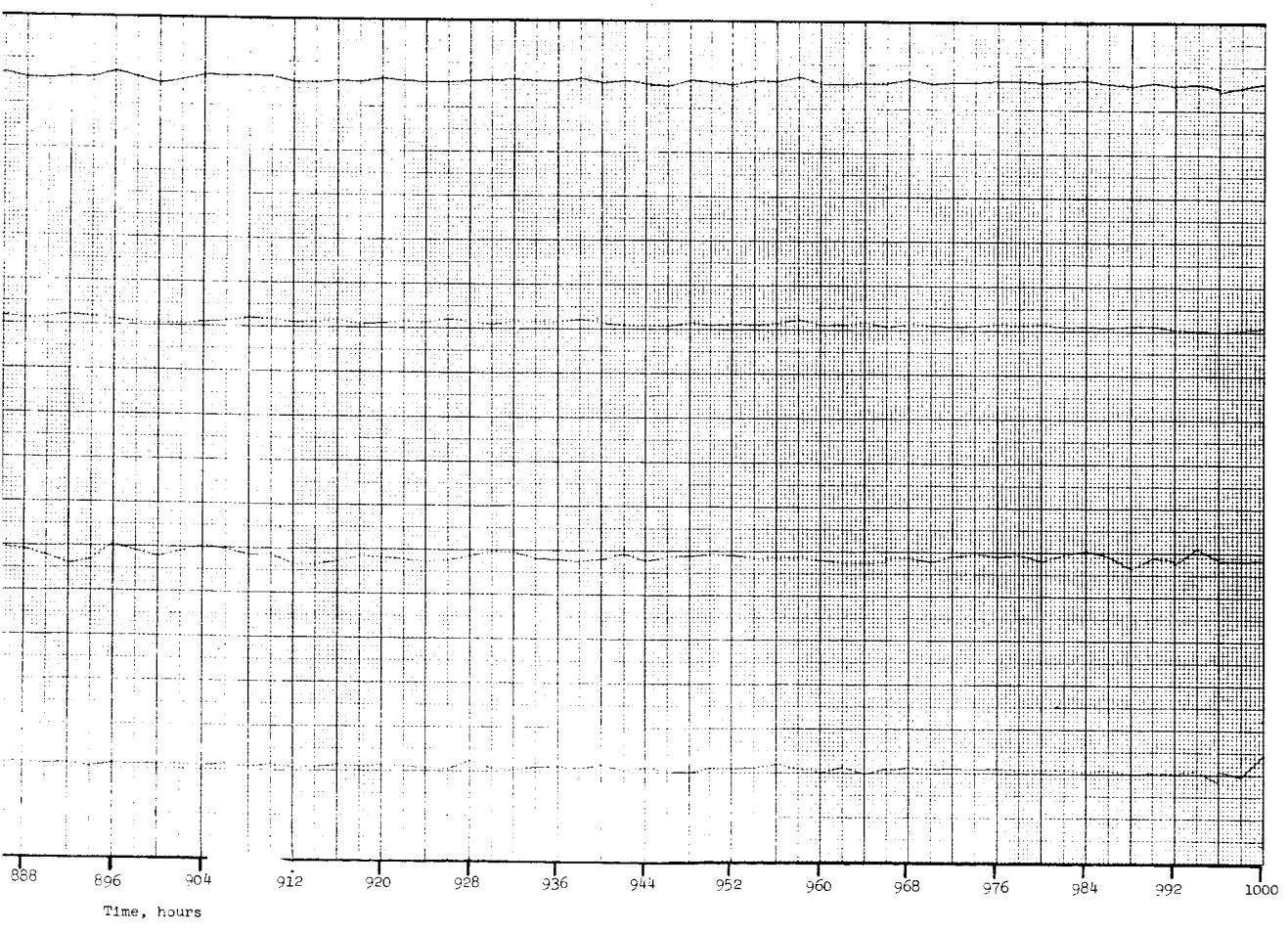


Figure 18E. Variation
(800 - 10

271-1





Turbine Parameters During Endurance Testing.
Hours)

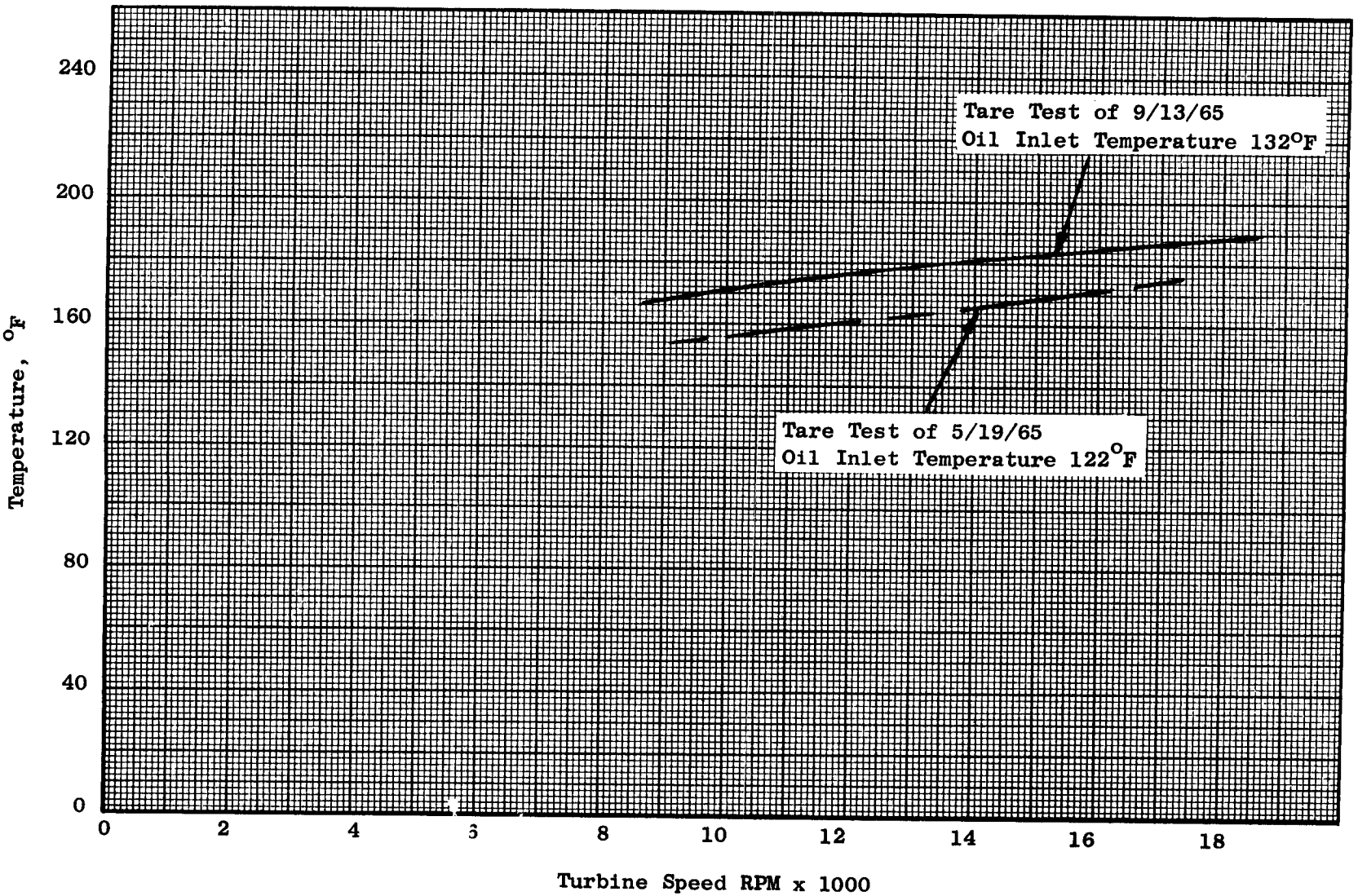


Figure 19. Pad Bearing Temperatures During Pre-Potassium Vapor Tare Testing-Test Date 9/13/65.

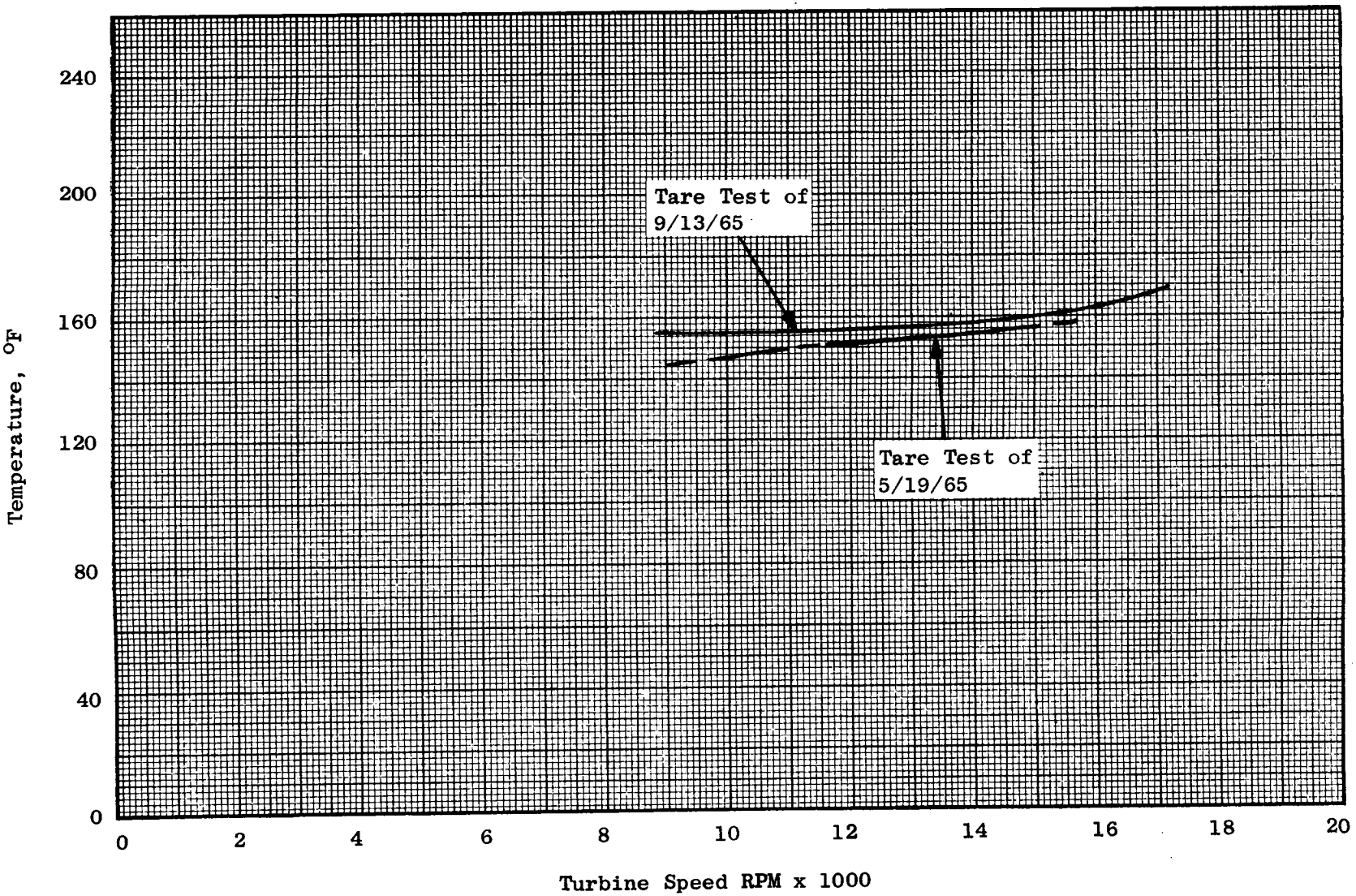


Figure 20. **Forward Ball Thrust Bearing Temperature During Pre-Potassium Vapor Tare Tests on September 13, 1965.**

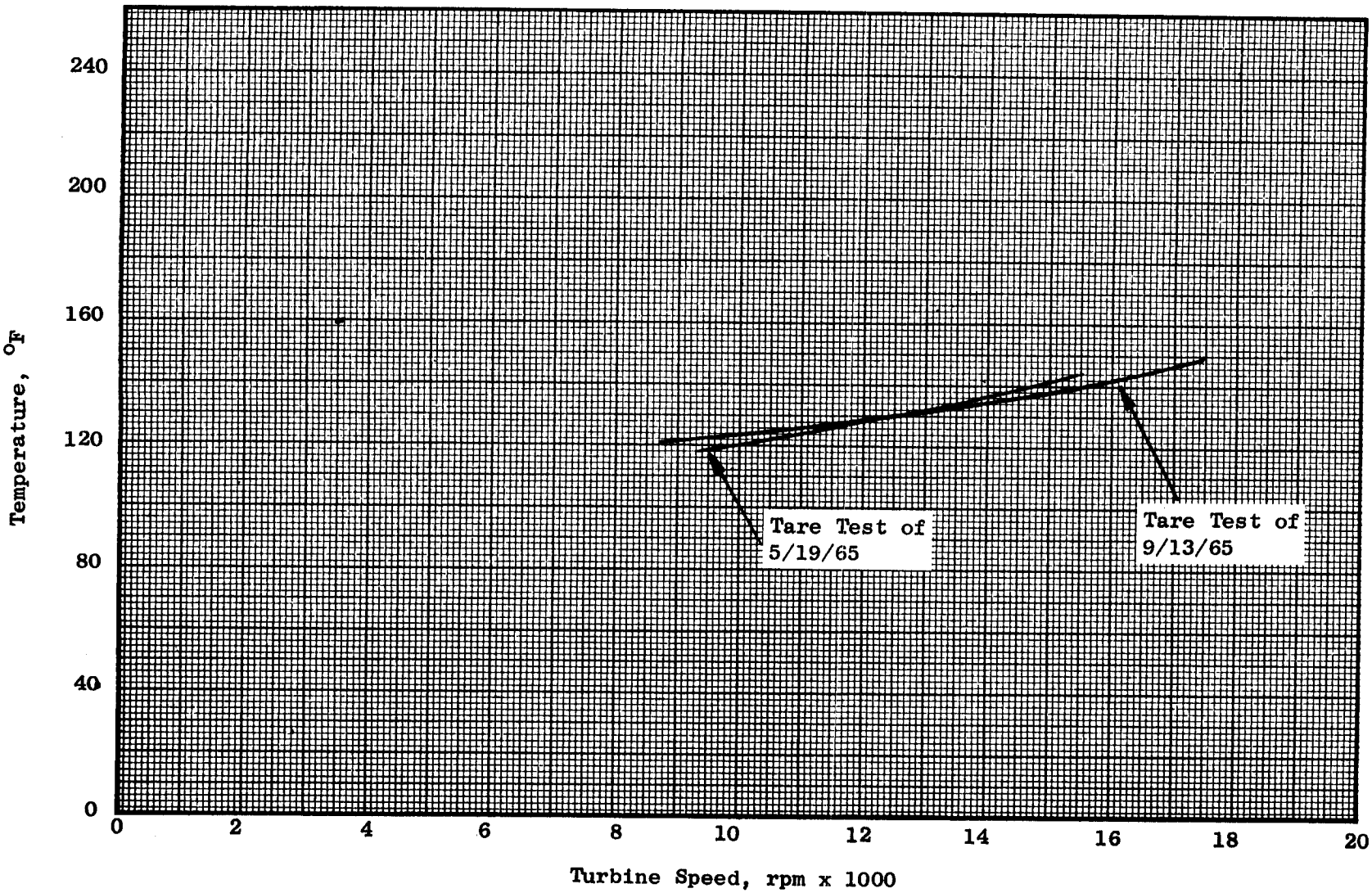


Figure 21. **Water Brake Bearing Temperatures During Pre-Potassium Vapor Tare Tests on September 13, 1965.**

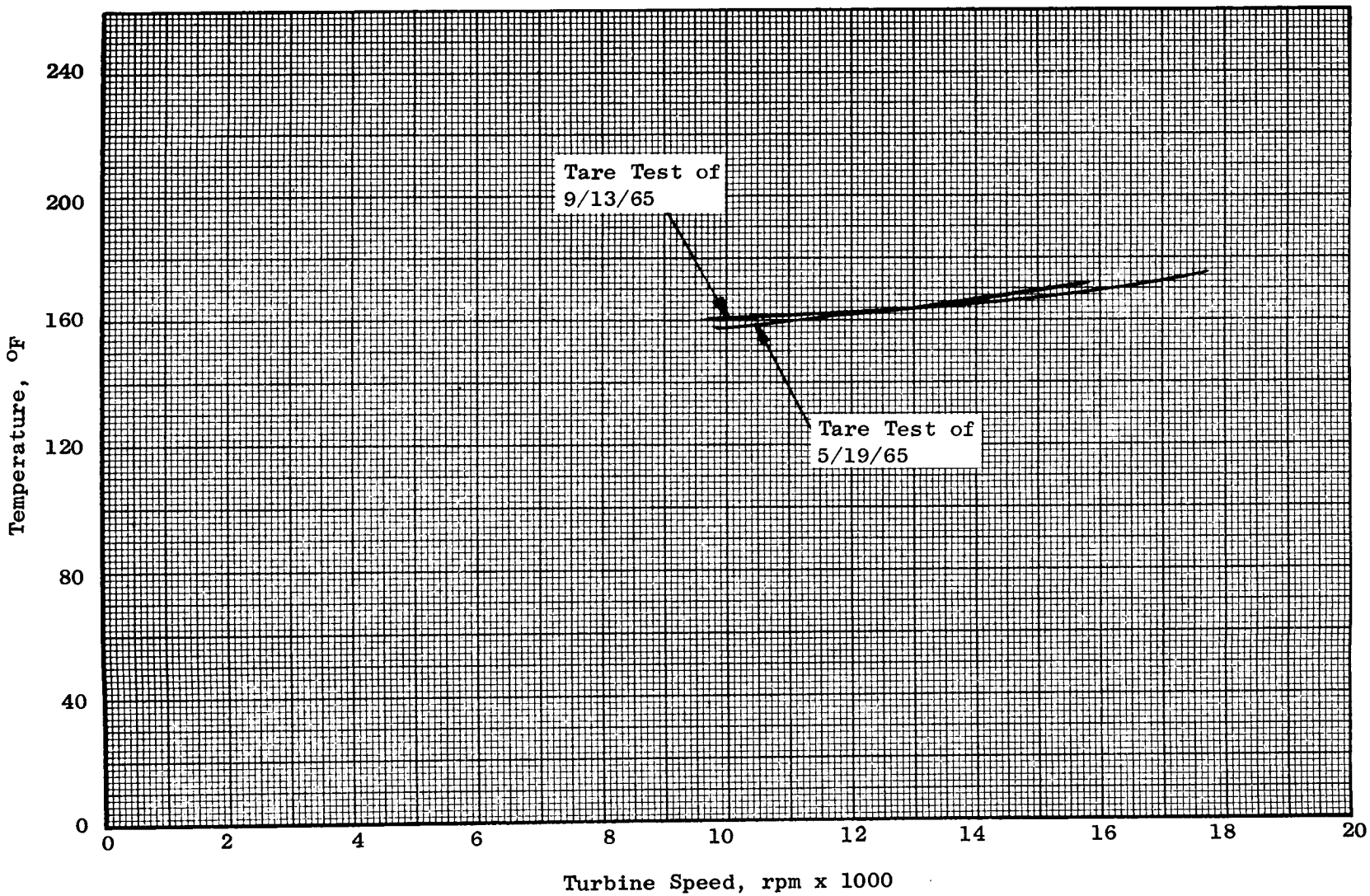


Figure 22. Steam Turbine Bearing Temperatures During Pre-Potassium Vapor Tare Tests on September 13, 1965.

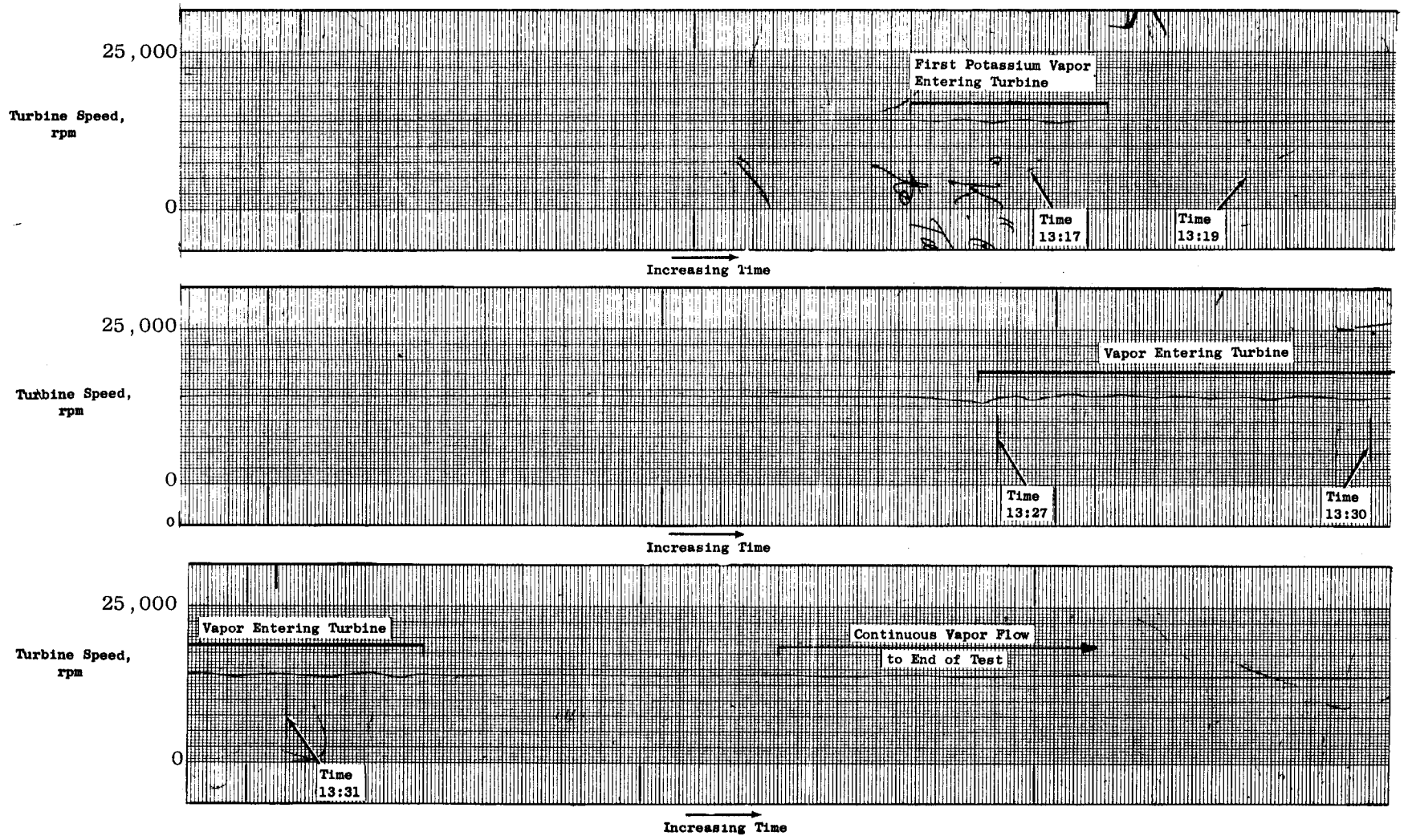


Figure 23. Turbine Speed Control During Start-up.

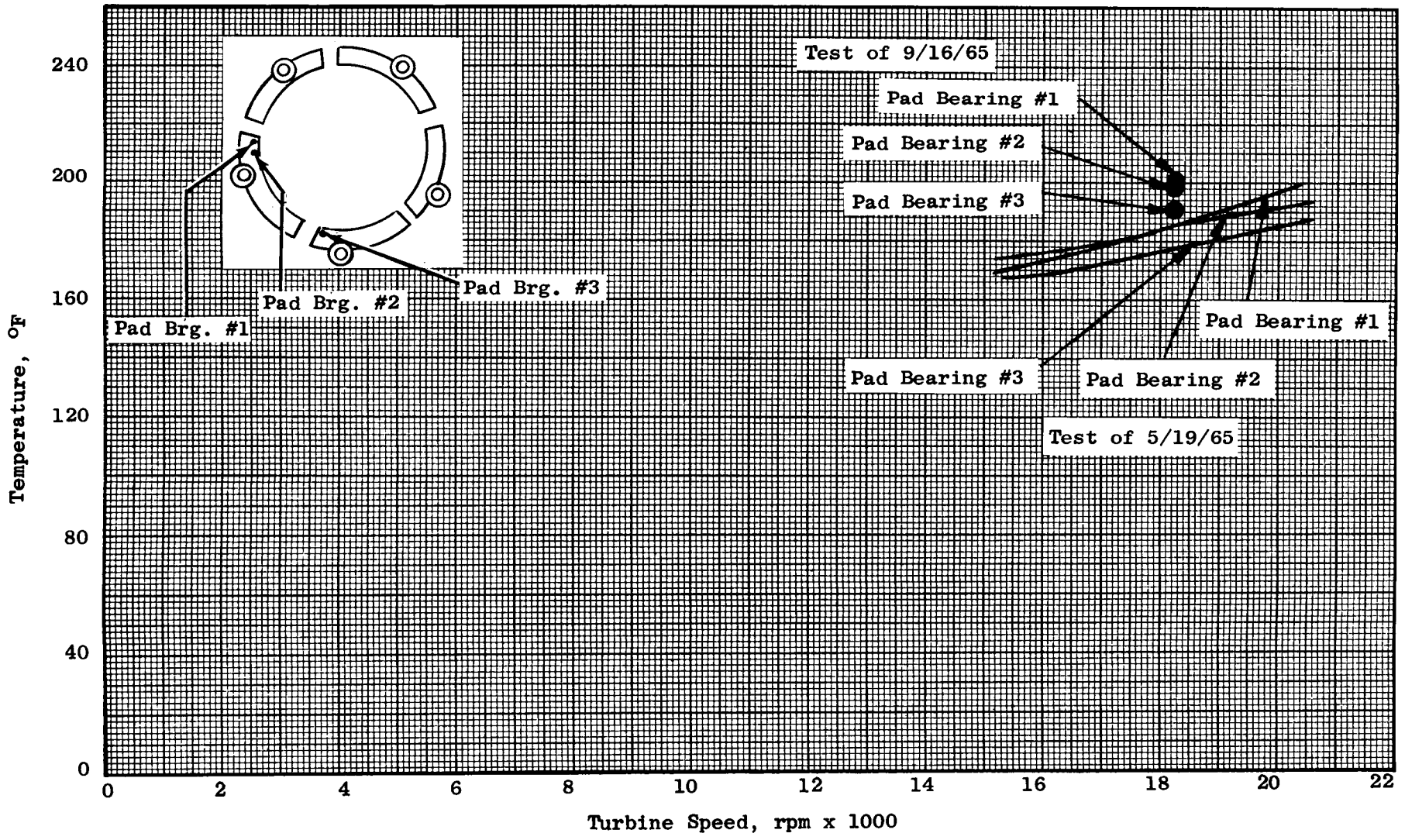


Figure 24. Pad Bearing Temperatures During Endurance Testing on September 16, 1965.

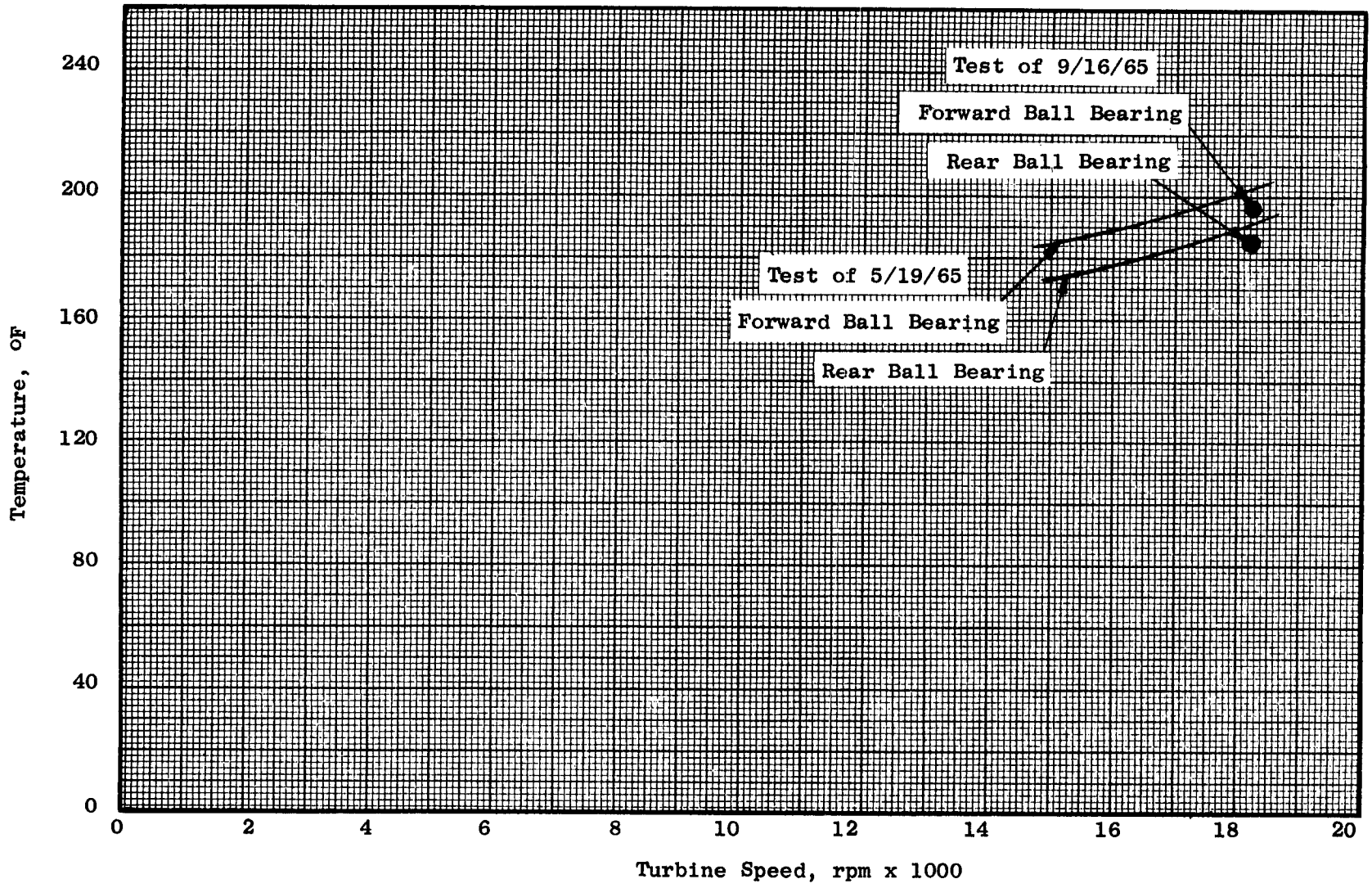


Figure 25. Forward and Rear Ball Thrust Bearing Temperature of the Potassium Turbine During Endurance Testing on September 16, 1965.

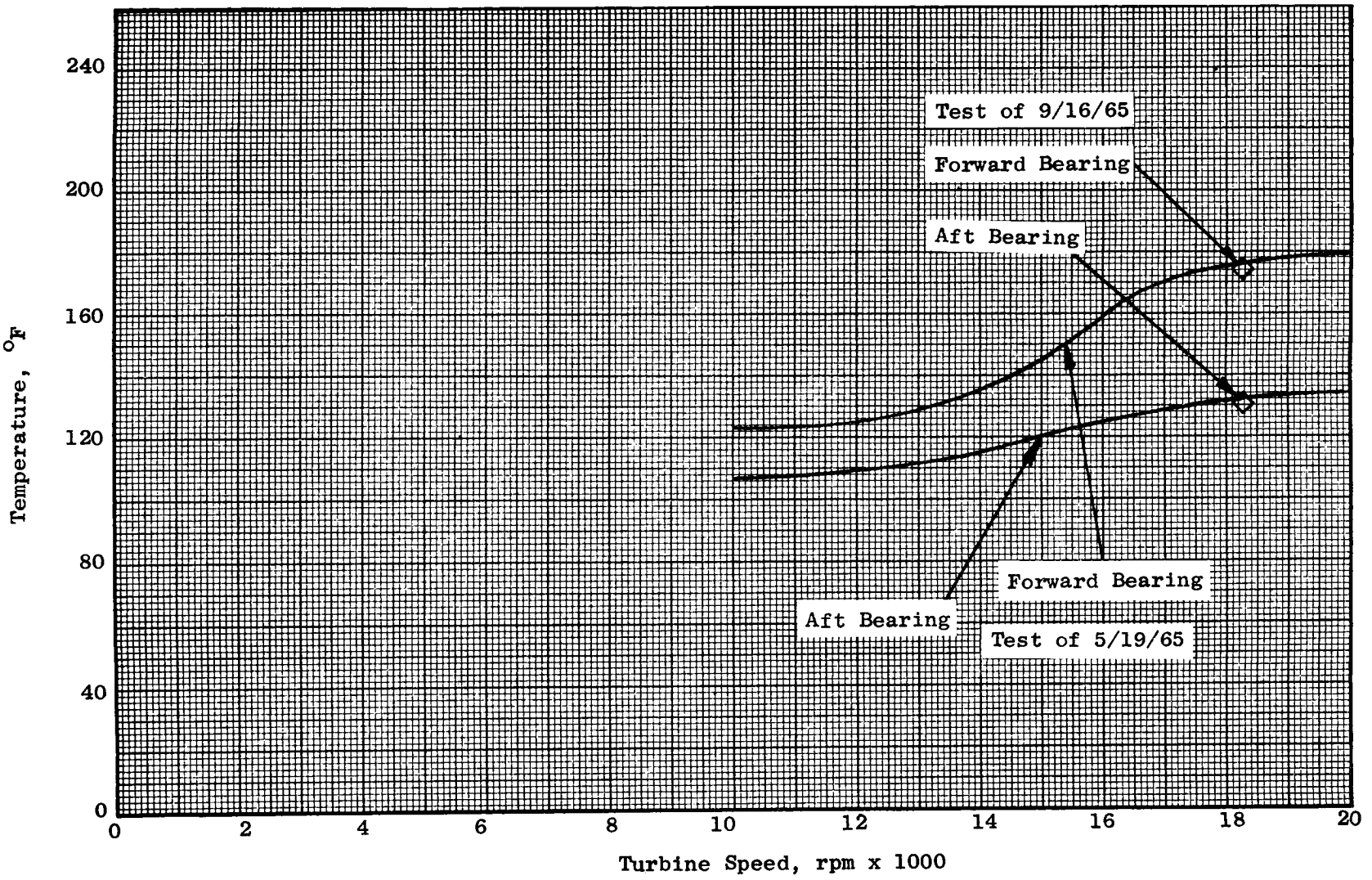


Figure 26. Water Brake Bearing Temperatures During Endurance Test on September 16, 1965.

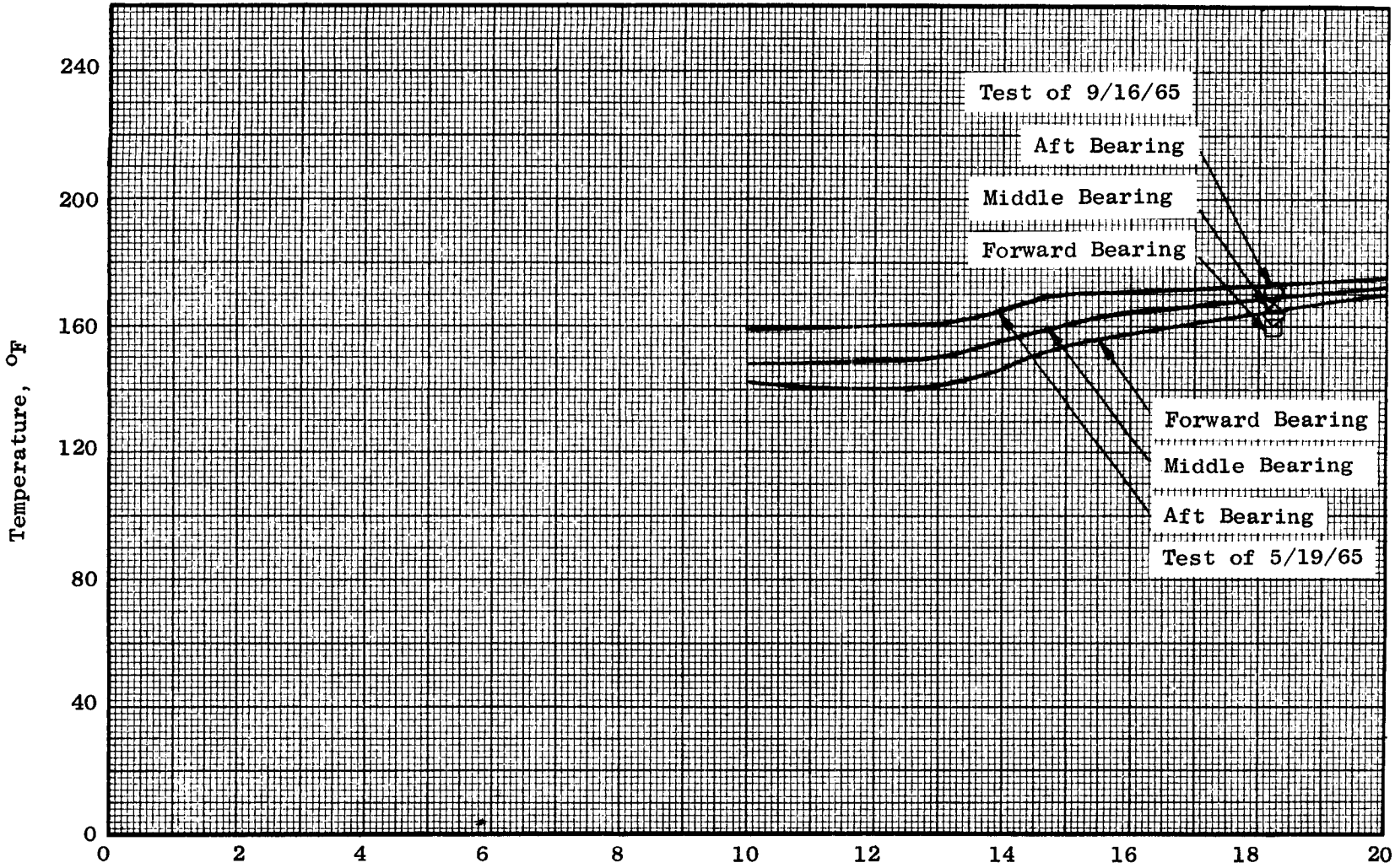


Figure 27. Steam Turbine Bearing Temperatures During Endurance Testing on September 16, 1965.

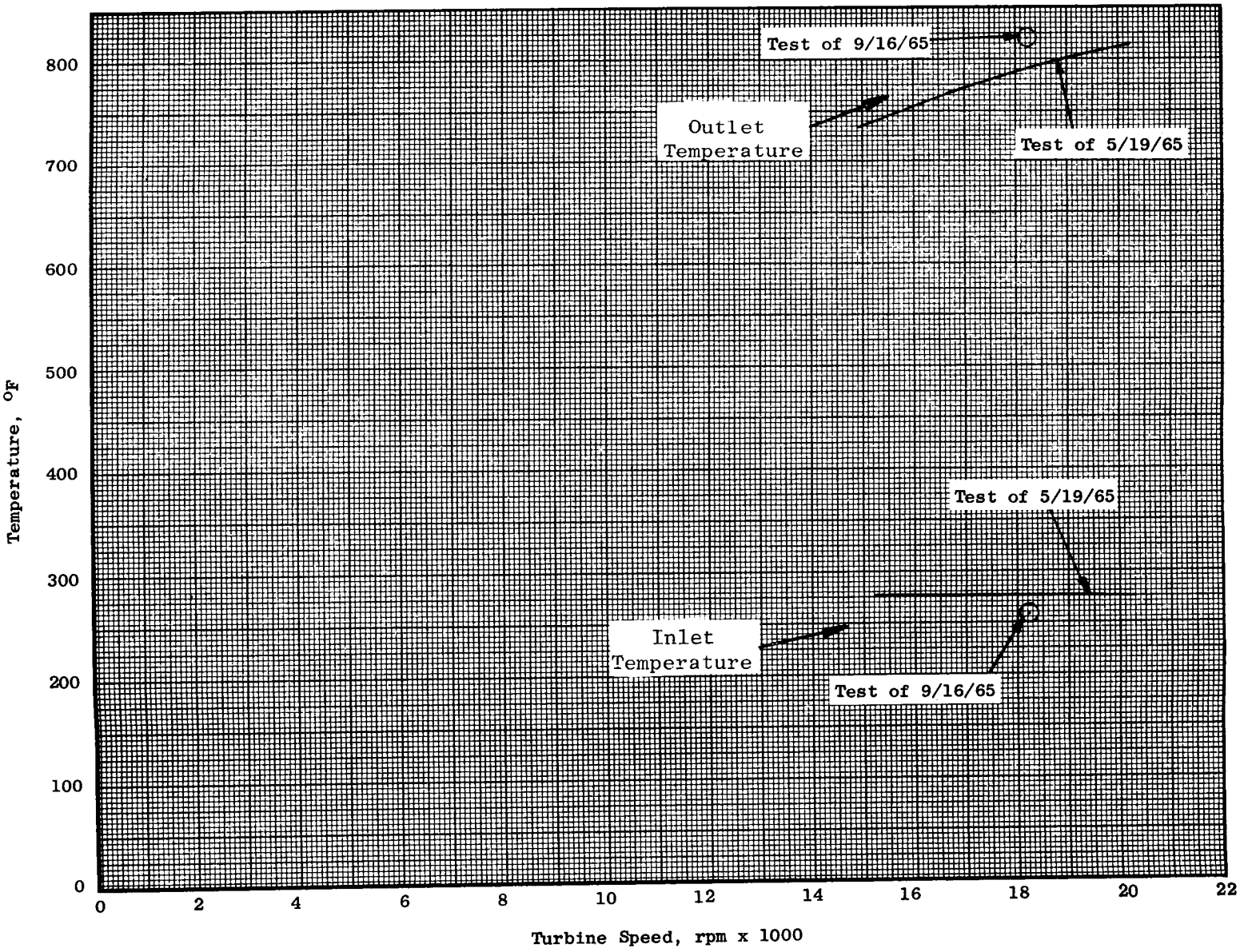


Figure 28. Potassium Liquid Temperature in the Hydrodynamic Seal During Endurance Testing on September 16, 1965.

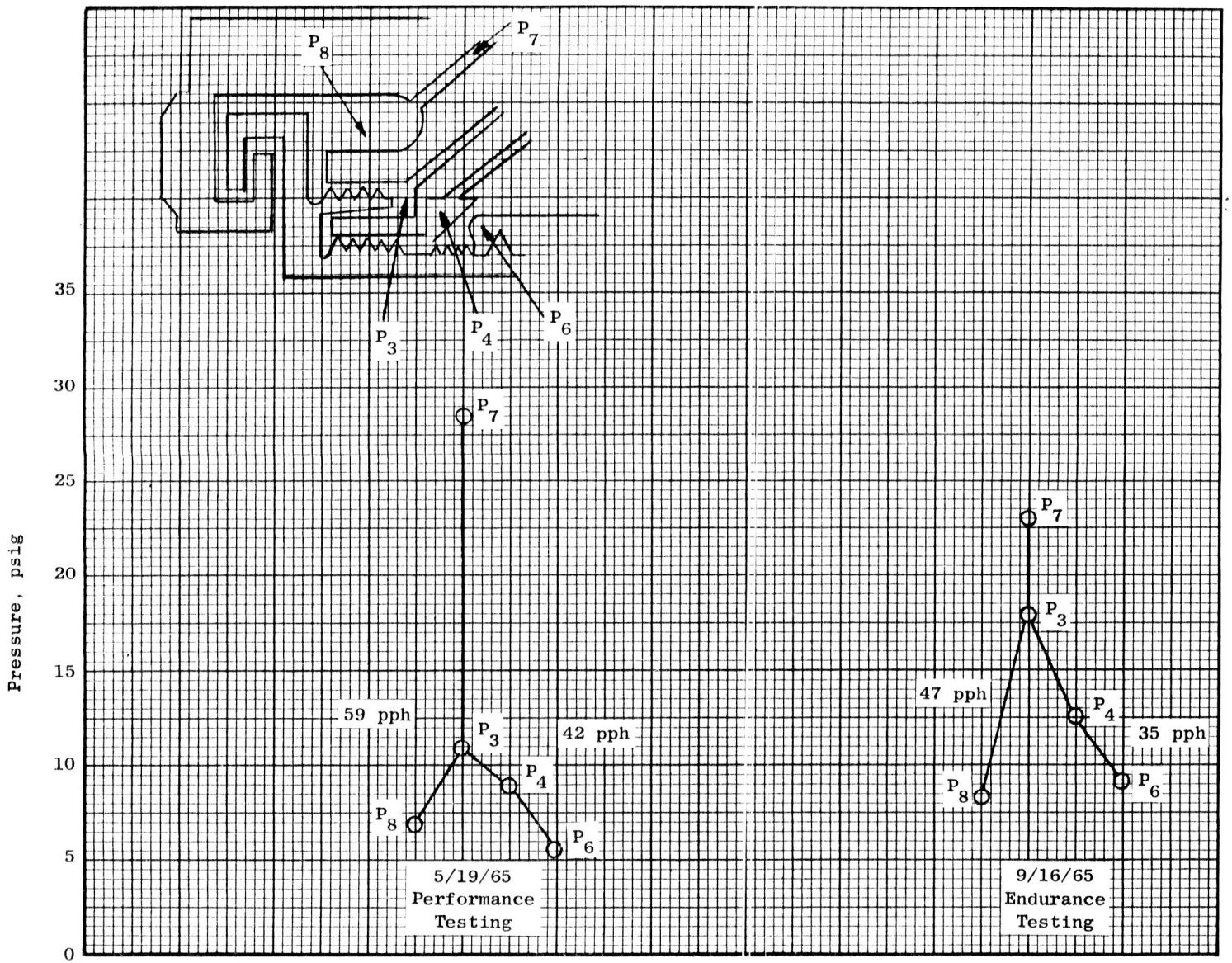


Figure 29. Seal Cavity Pressures During Endurance Testing on September 16, 1965.

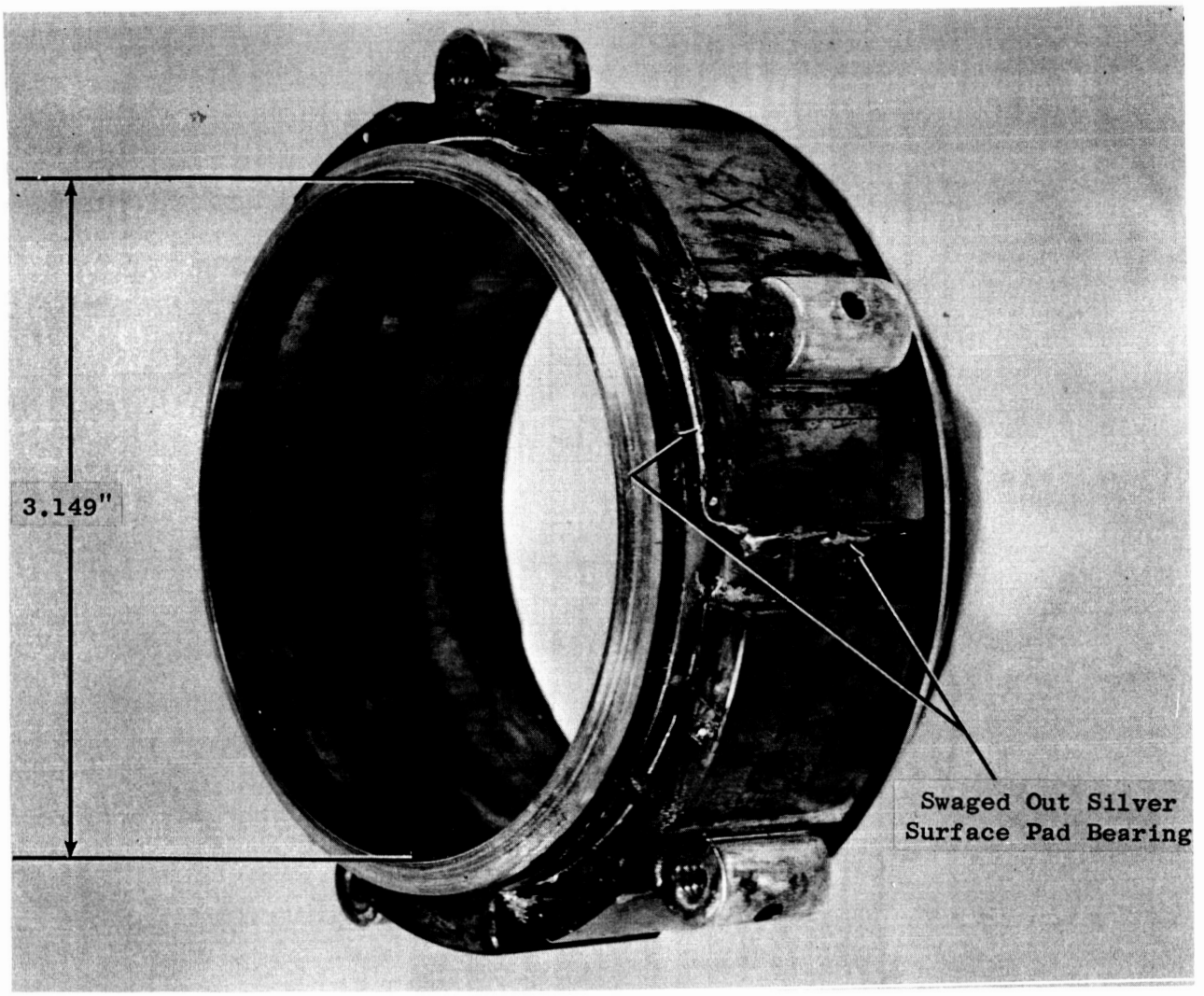


Figure 30. Pivoted Pad Bearing Assembly Showing Pads Welded to Journal.

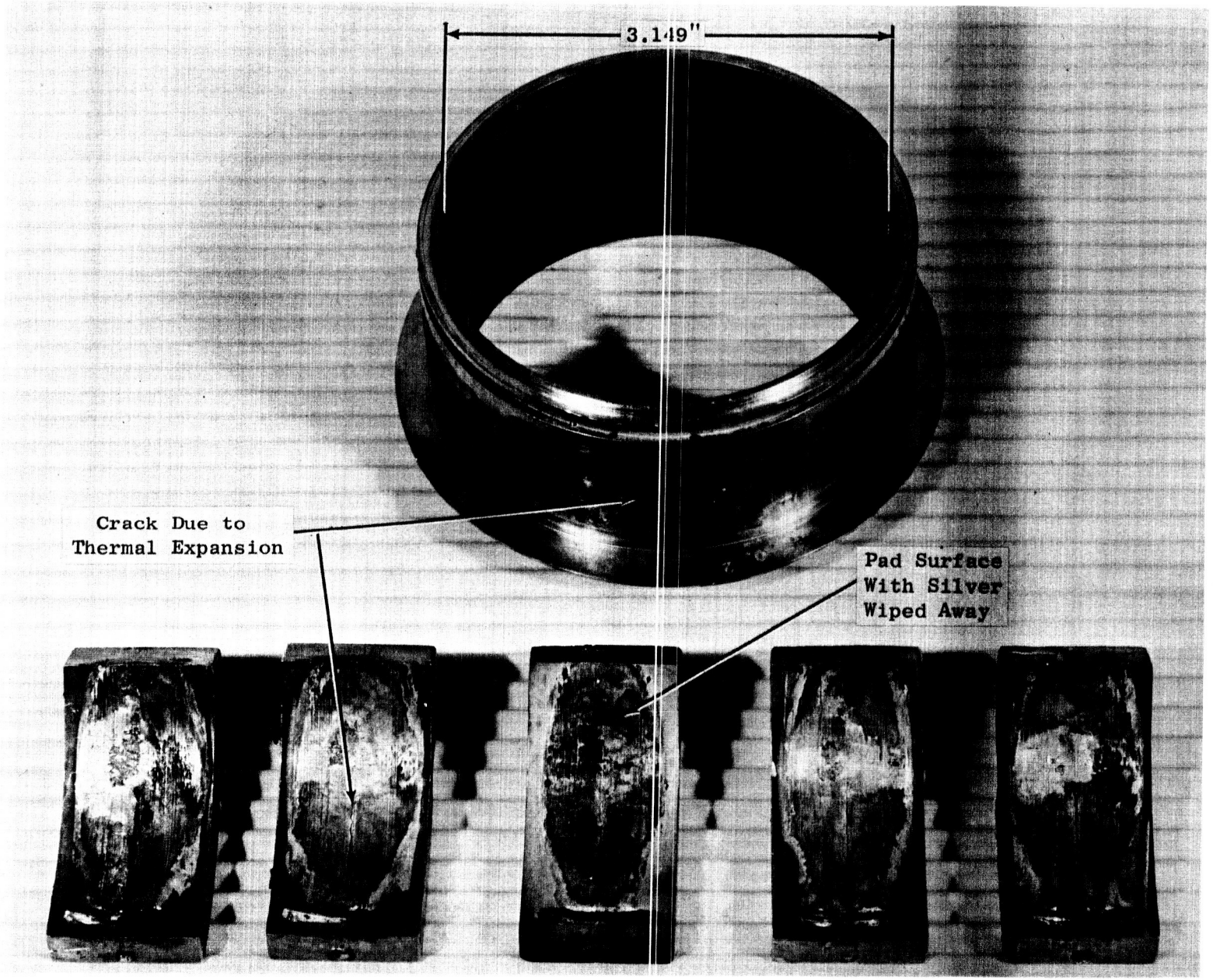


Figure 31. Pivoted Pad Bearing Damage Resulting From Loss of Lubricant Oil.

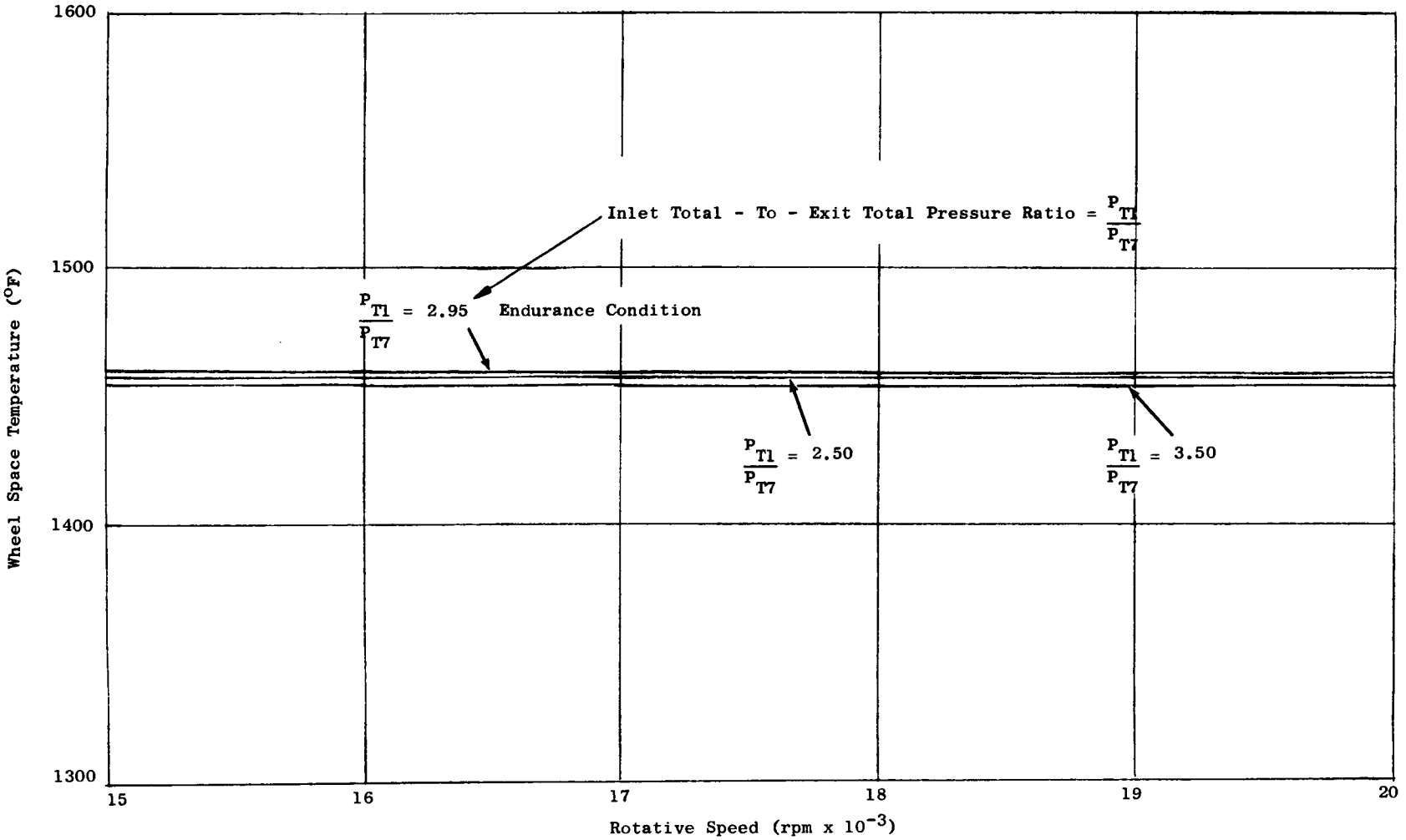


Figure 32. First-Stage Wheel Space Temperature at Turbine Inlet Temperature of 1500°F Interpolated from Data Measured During Performance Testing.

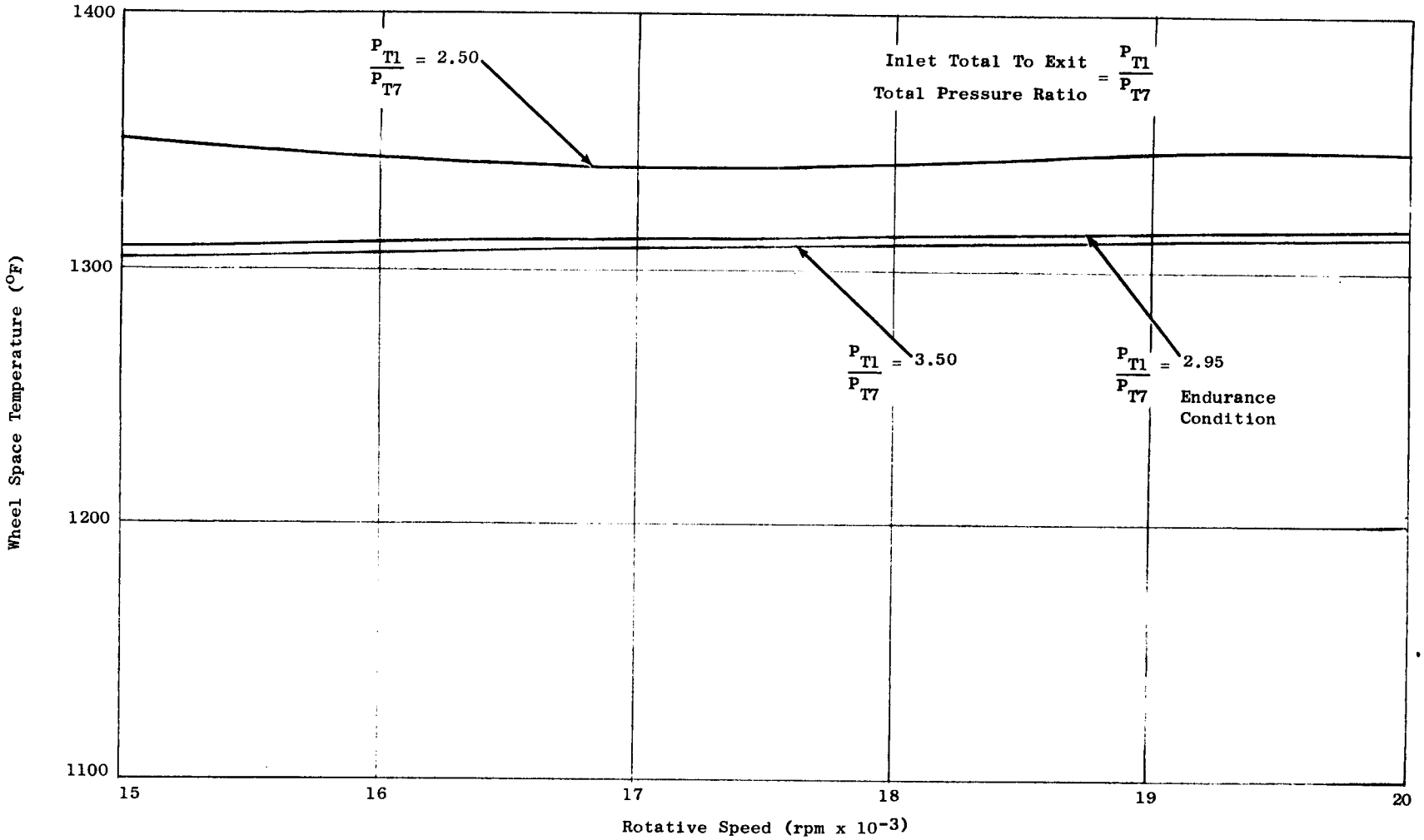
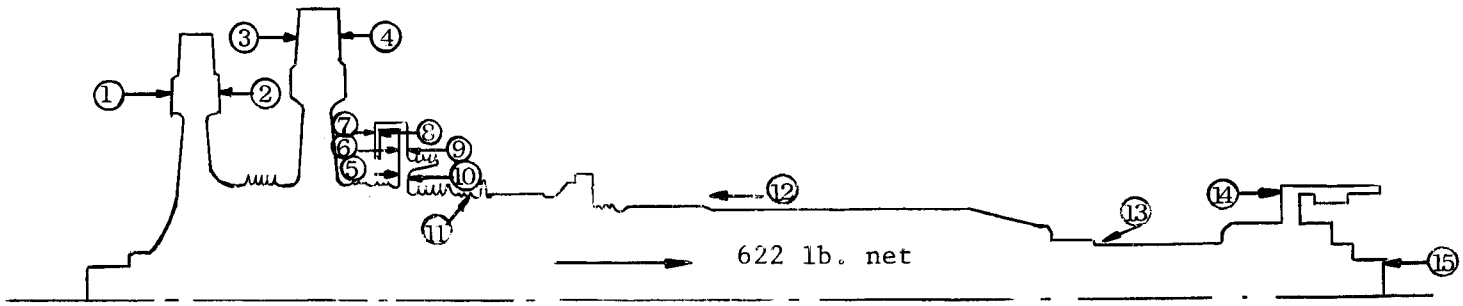


Figure 33. Second-Stage Wheel Space Temperature at Turbine Inlet Temperature of 1500°F Interpolated from Data Measured During Performance Testing.



Absolute pressures psia except P_{13} (Carbon Seal Spring Load)

$P_1 = 19.5$	$P_6 = P_8$	$P_{11} = 22$
$P_2 = 15.7$	$P_7 = 24.7$	$P_{12} = 18$
$P_3 = 11.5$	$P_8 = P_6$	$P_{13} = 10$ lb.
$P_4 = 7.1$	$P_9 = 24.7$	$P_{14} = 14.7$
$P_5 = 7.1$	$P_{10} = 30.0$	$P_{15} = 14.7$

Note: P_1, P_2, P_3, and P_4 are vapor static pressures.

Figure 34. Thrust Load Determination For Potassium Turbine Operating Under Endurance Test Conditions For the Test of September, October, and November of 1965.

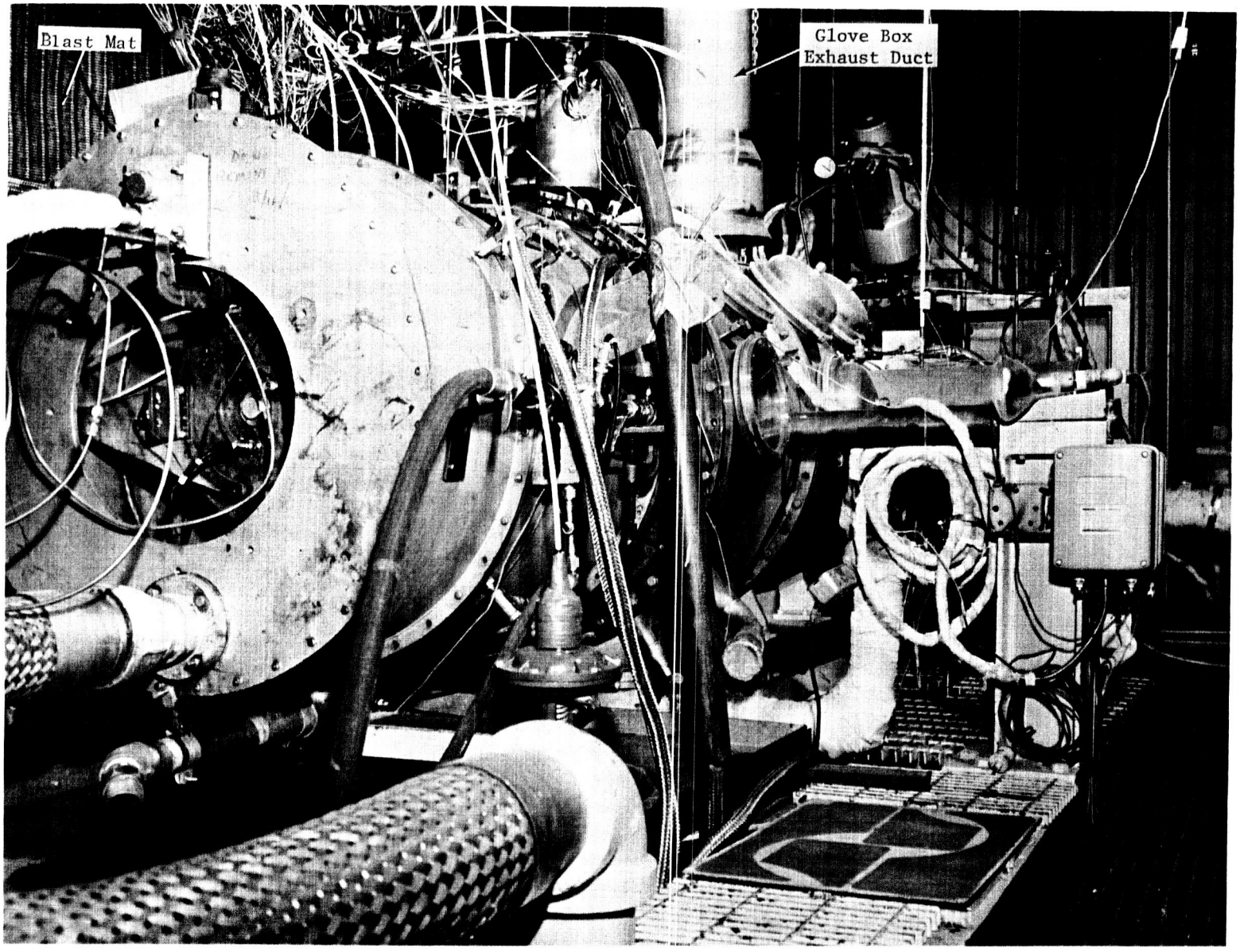


Figure 35. Turbine Installation Assembly.

Figure 36. Carbide Layer Formed at the Surface of TZC Tensile Specimens Heated in Potassium and Carbon for 1000 Hours at 1400°F.

Etchant: Murikamis Mag: 500X

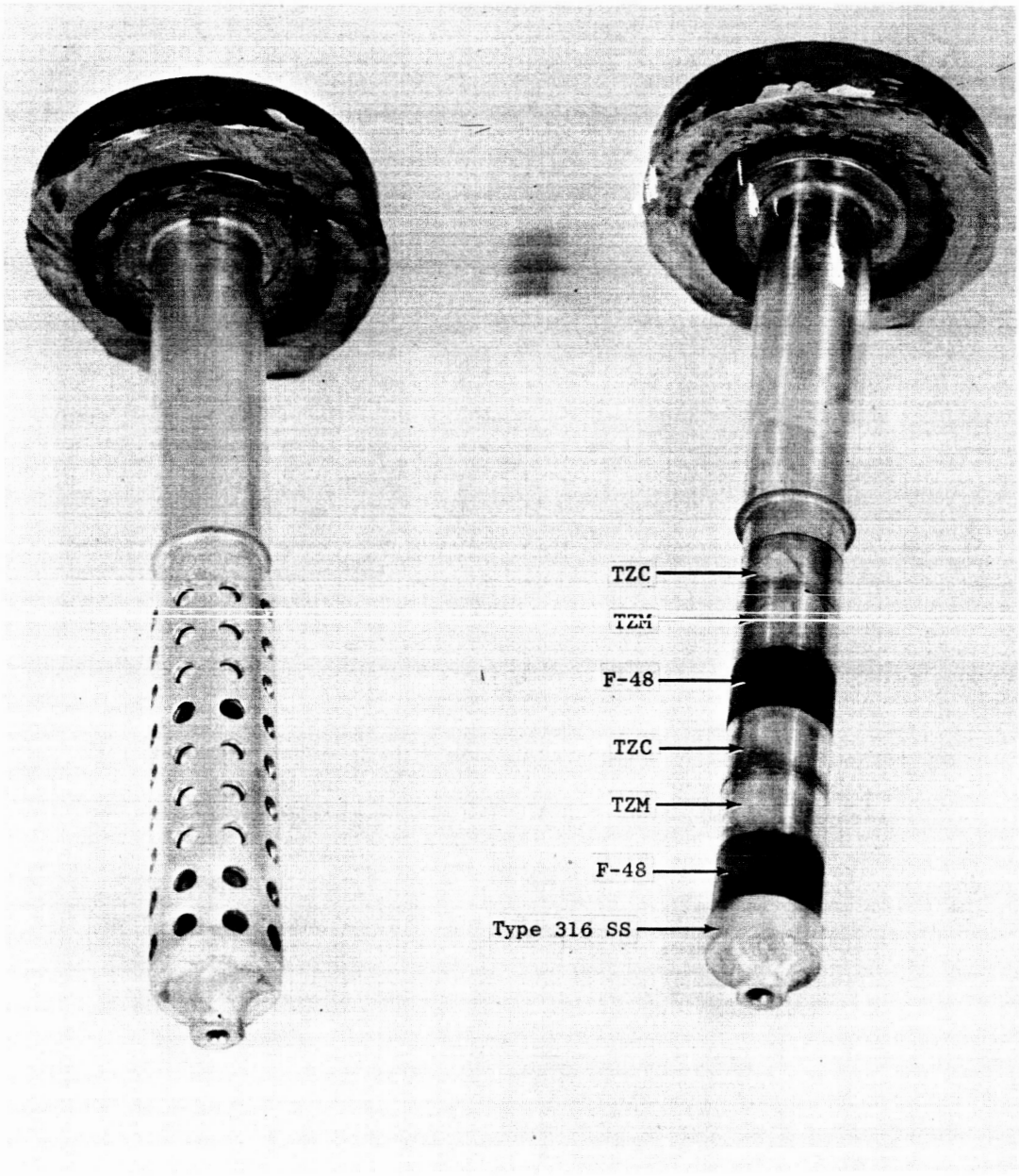


Figure 37. Refractory Alloy Specimen Probes from Station 1, Left. and Condenser, Right. Note Darkening of F-48 Specimens.

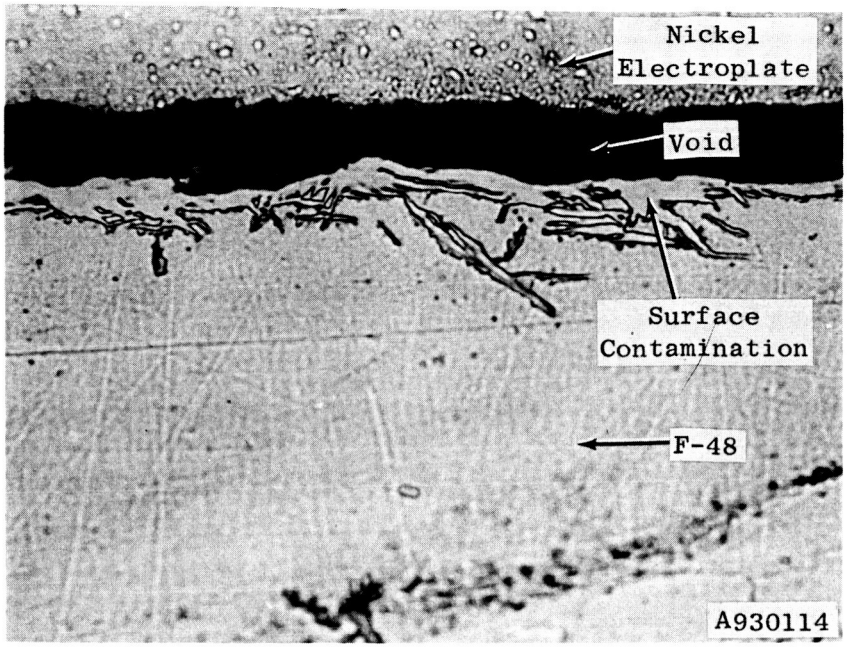


Figure 38. F-48 Probe Specimen Surface After 254 Hours of Endurance Testing, Station One. (T = 1520°F)
Etchant: $60H_2O$ - 20HF - $20HNO_3$ Mag: 1000X

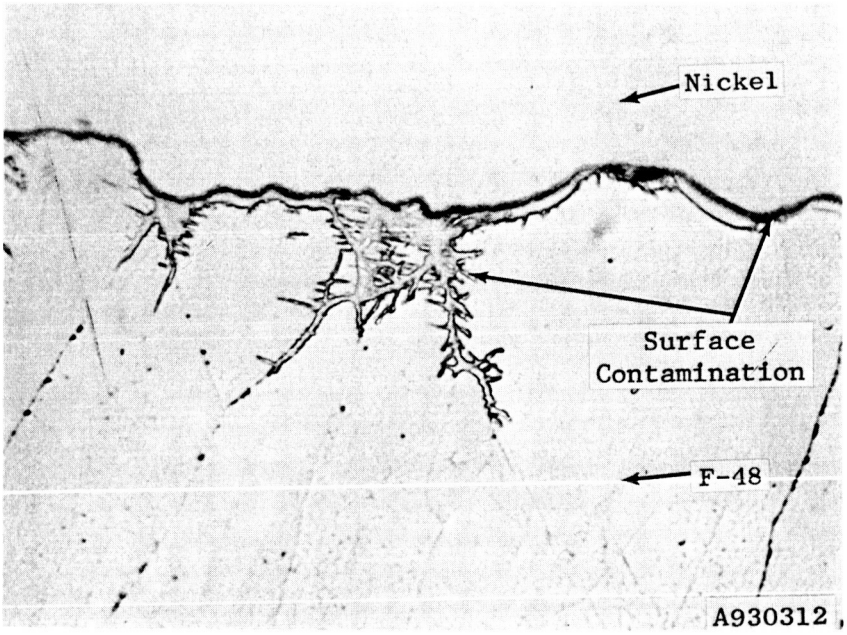


Figure 39. F-48 Probe Specimen Surface After 254 Hours of Endurance Testing, Condenser. (T = 1260°F)
Etchant: $60H_2O$ - 20HF - $20HNO_3$ Mag: 1000X

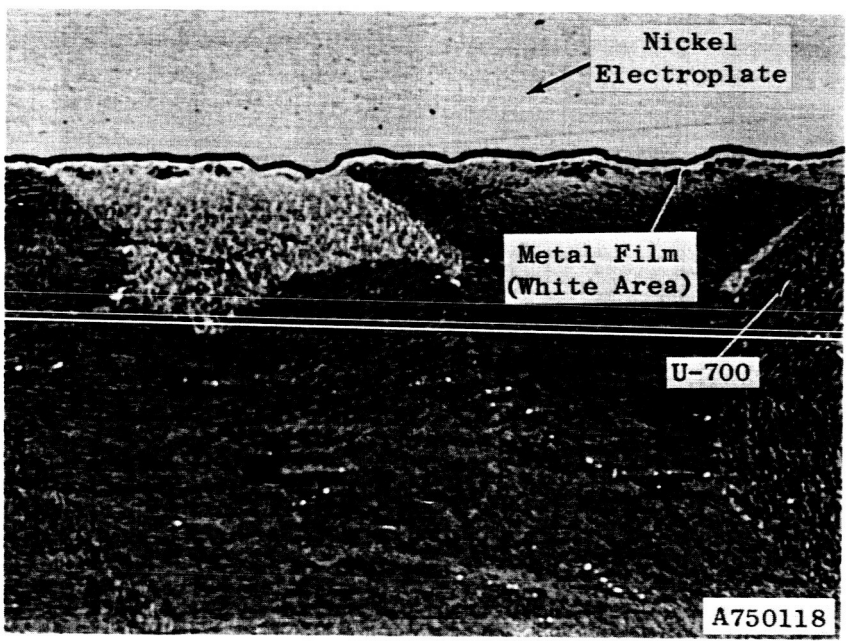


Figure 40. First Stage Turbine Bucket Showing Deposited Metal Film.
Etchant: $100H_2O$ - 50HCl-5gr..$FeCl_3$ Mag: 500X

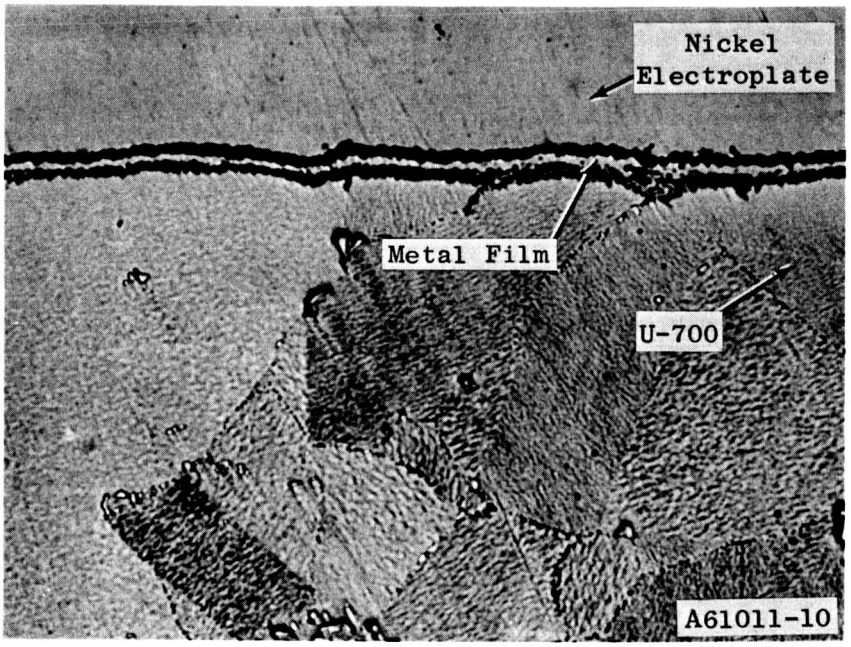


Figure 41. Second Stage Turbine Bucket Showing Deposited Metal Film.
Etchant: $100H_2O$ - 50HCl-5gr. $FeCl_3$ Mag: 500X

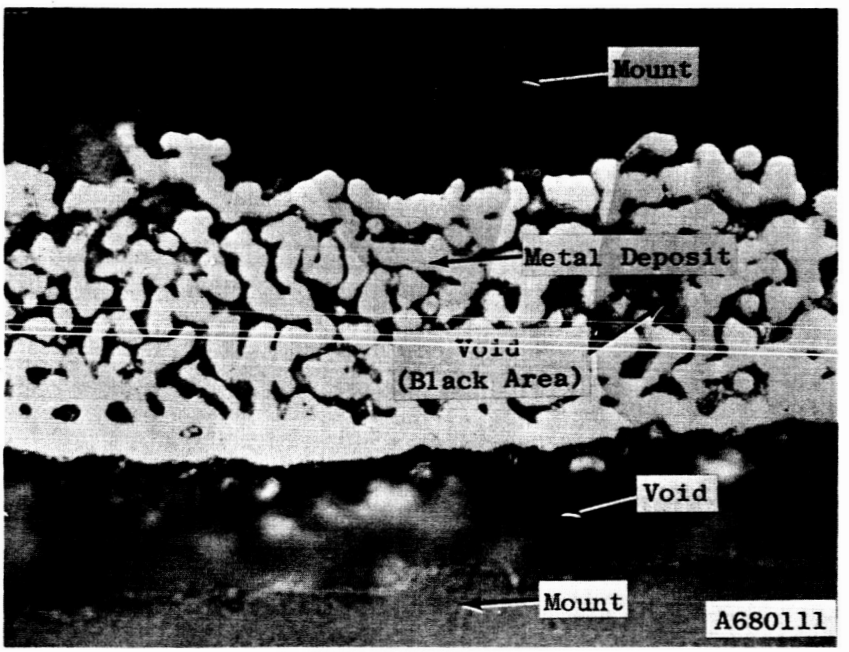


Figure 42. Metal Foil Removed From the 8-Inch Vapor Line of the 3000 KW Turbine Facility.
Etchant: Unetched Mag: 1000X

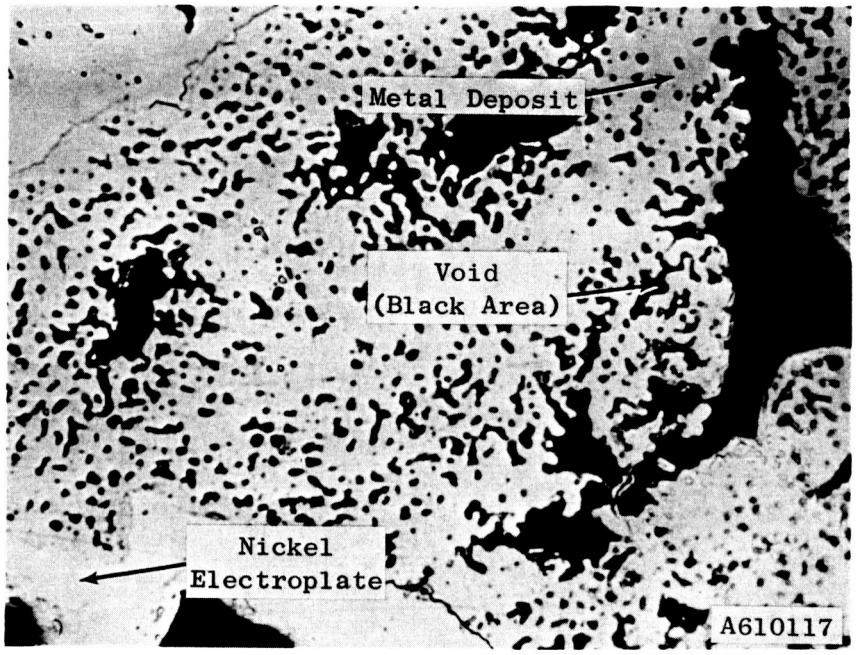


Figure 43. Metal Foil Deposit Located on the Convex Leading Edge of a First Stage Turbine Bucket After Performance Testing.
Etchant: Unetched Mag: 500X

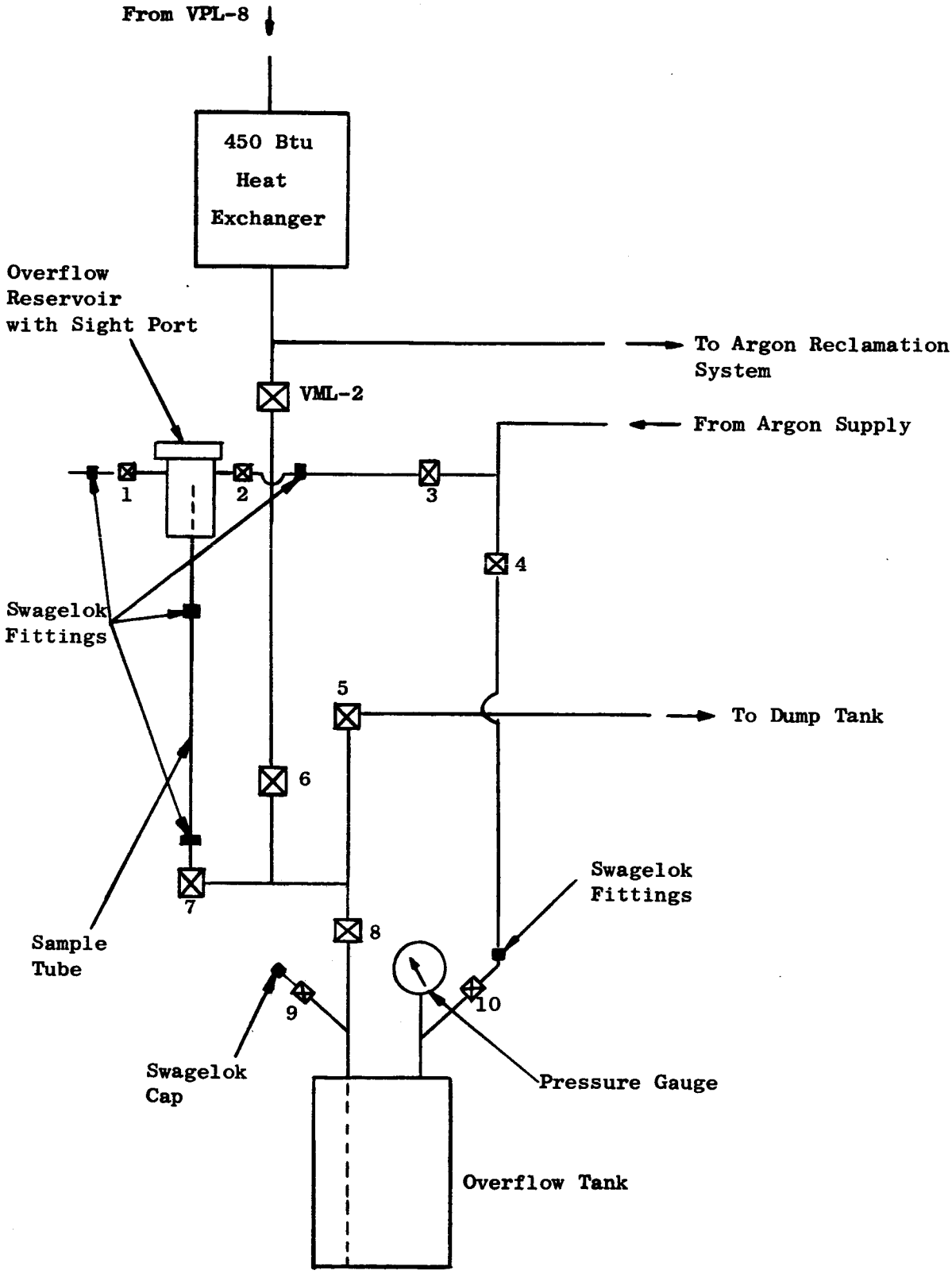


Figure 44. Schematic Diagram of Potassium Sampling Apparatus for the Two Stage Potassium Test Turbine.

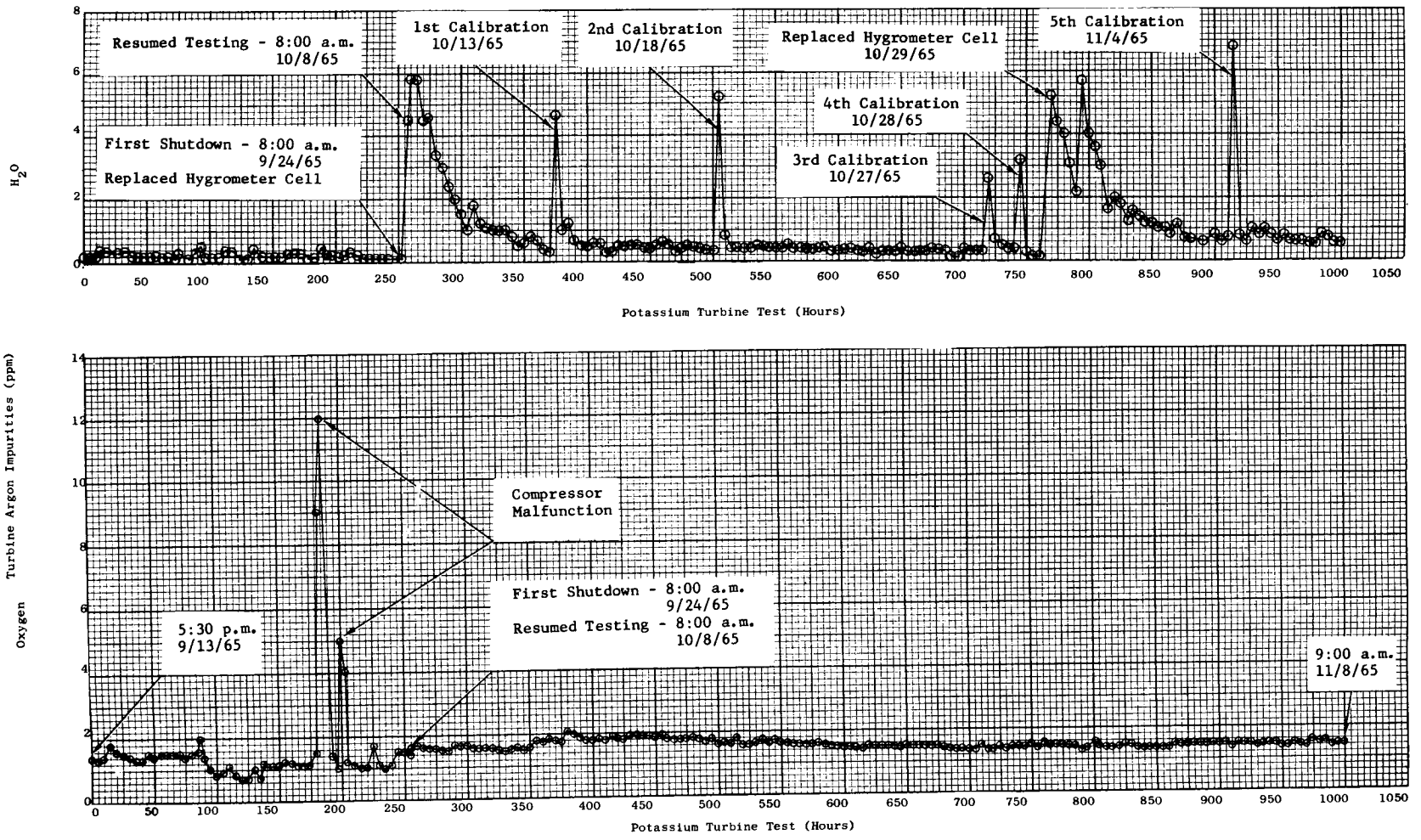


Figure 45. Oxygen and Water Concentration in the Loop Argon During Turbine Endurance Testing.

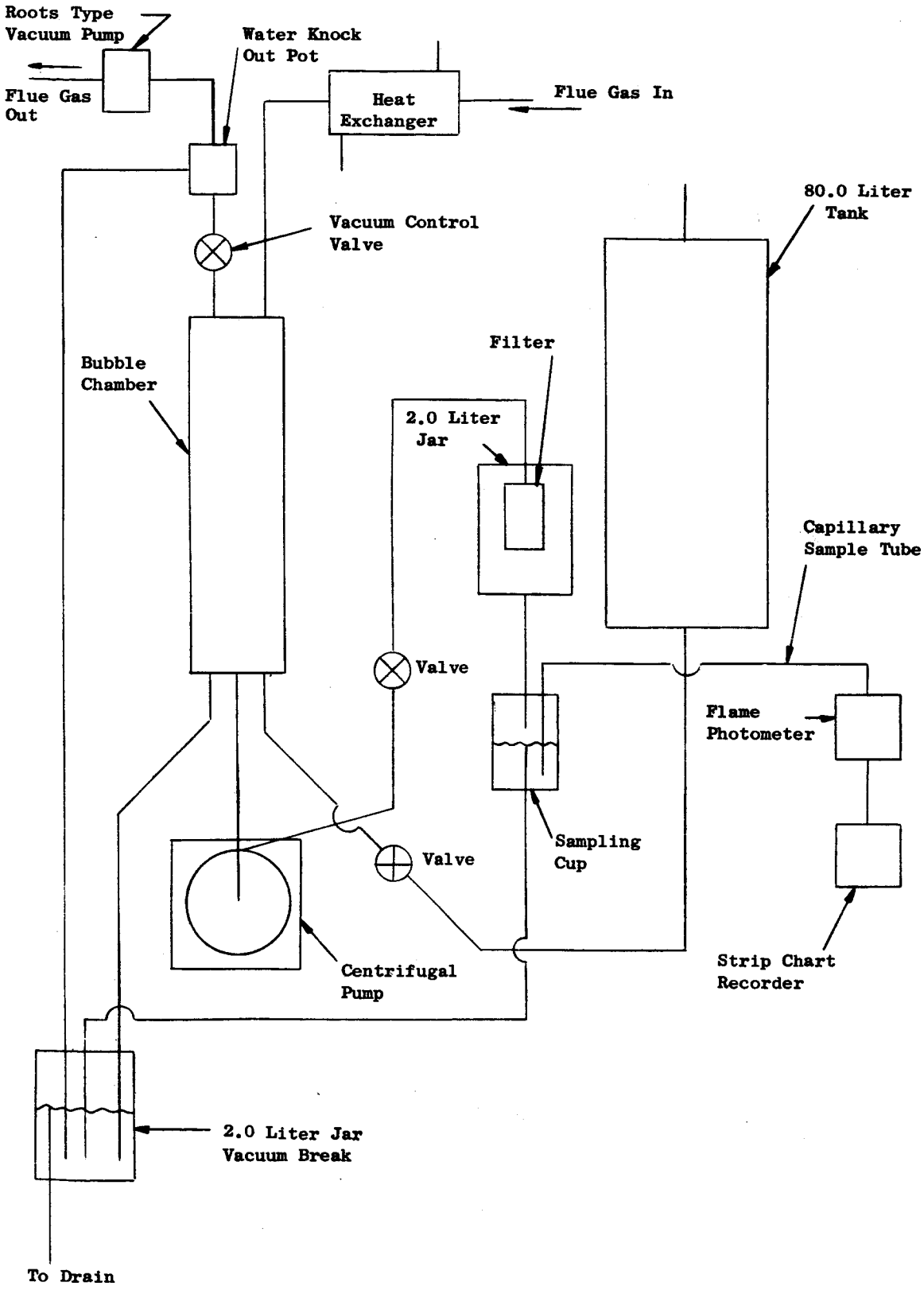


Figure 46. Schematic Diagram of the Automatic Potassium Smoke Detector for the Two Stage Potassium Turbine Test Facility.

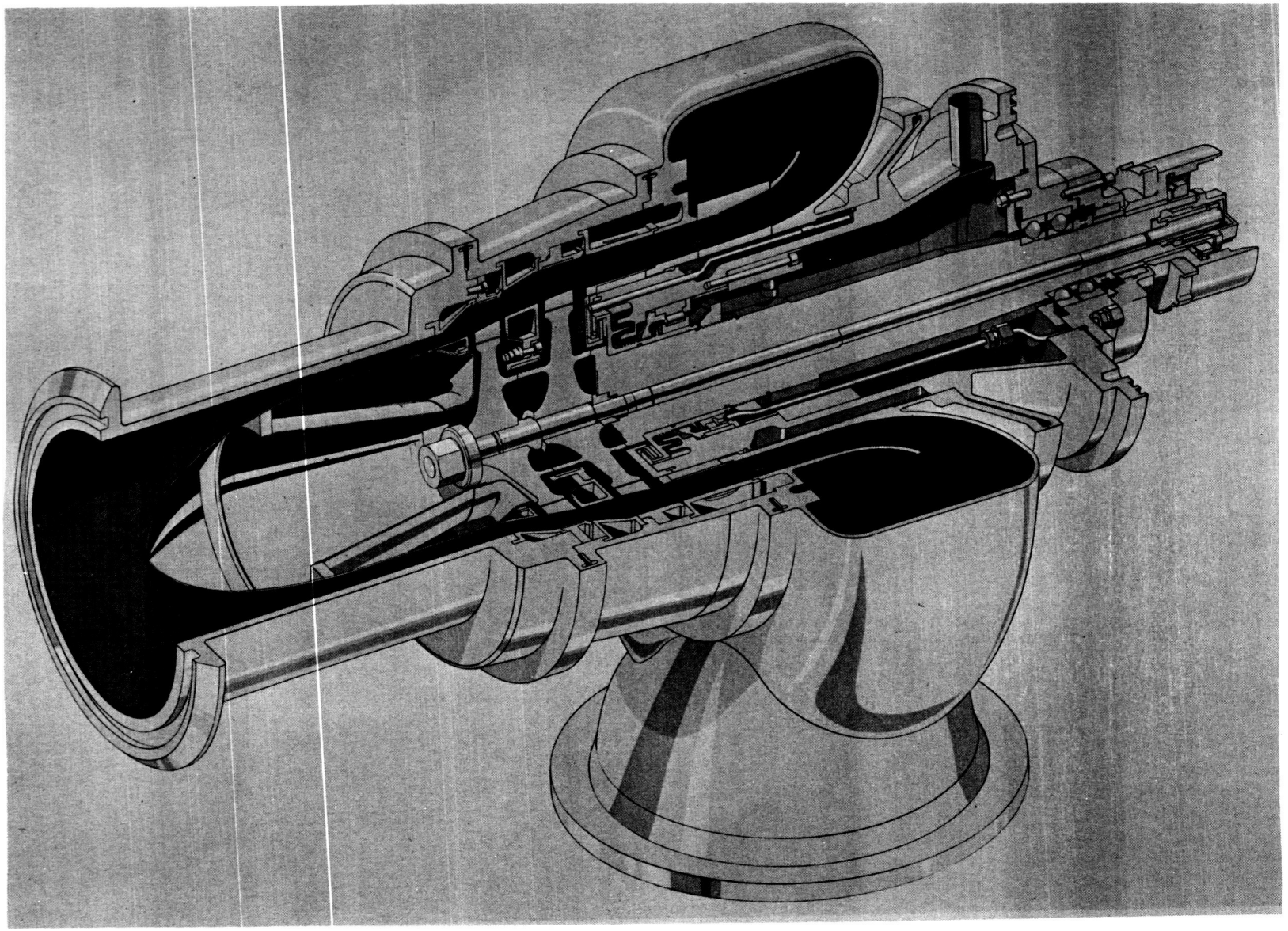


Figure 47. Isometric Drawing of the Two-Stage Turbine.

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